

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062409.D
 Acq On : 8 Jul 2020 15:49
 Operator : JC/MD
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 09 03:34:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	329425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	143720	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.55	113	99261	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.06	98	386213	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.38	95	129027	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	5144	2.685	ug/l	99
3) Chloromethane	2.04	50	8289	2.697	ug/l	91
4) Vinyl Chloride	2.16	62	6699	2.660	ug/l	95
5) Bromomethane	2.53	94	4312	3.188	ug/l	95
6) Chloroethane	2.67	64	4271	2.912	ug/l	98
7) Trichlorofluoromethane	2.98	101	8411	2.630	ug/l	97
8) Diethyl Ether	3.37	74	3915	2.738	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5014	2.645	ug/l #	68
10) Methyl Iodide	3.91	142	4871	1.946	ug/l	96
11) Tert butyl alcohol	4.72	59	3109	6.479	ug/l	100
12) 1,1-Dichloroethene	3.70	96	5343	2.768	ug/l	94
13) Acrolein	3.57	56	4676	13.509	ug/l	100
14) Allyl chloride	4.28	41	11545	2.543	ug/l	96
15) Acrylonitrile	4.94	53	16100	12.793	ug/l	98
16) Acetone	3.78	43	15416	12.553	ug/l	100
17) Carbon Disulfide	4.01	76	17365	2.871	ug/l	97
18) Methyl Acetate	4.28	43	8353	2.725	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	19290	2.636	ug/l	98
20) Methylene Chloride	4.51	84	7206	2.744	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	5631	2.693	ug/l	87
22) Diisopropyl ether	5.90	45	23811	2.655	ug/l #	87
23) Vinyl Acetate	5.85	43	92683	12.474	ug/l	99
24) 1,1-Dichloroethane	5.80	63	12317	2.658	ug/l	98
25) 2-Butanone	6.79	43	22859	12.745	ug/l	97
26) 2,2-Dichloropropane	6.77	77	9616	2.706	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	6210	2.564	ug/l	94
28) Bromochloromethane	7.15	49	5927	2.354	ug/l #	72
29) Tetrahydrofuran	7.17	42	15718	13.017	ug/l	97
30) Chloroform	7.33	83	11484	2.744	ug/l	95
31) Cyclohexane	7.62	56	15135	3.445	ug/l #	70
32) 1,1,1-Trichloroethane	7.53	97	9018	2.591	ug/l	99
36) 1,1-Dichloropropene	7.75	75	8502	2.562	ug/l	97
37) Ethyl Acetate	6.89	43	9312	2.399	ug/l #	87
38) Carbon Tetrachloride	7.73	117	7615	2.552	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	8726	2.463	ug/l	98
40) Benzene	8.00	78	26302	2.689	ug/l	99
41) Methacrylonitrile	7.12	41	2743	1.692	ug/l #	57
42) 1,2-Dichloroethane	8.09	62	10065	2.810	ug/l	98
43) Isopropyl Acetate	8.13	43	16322	2.662	ug/l	98
44) Trichloroethene	8.80	130	5885	2.712	ug/l	97
45) 1,2-Dichloropropane	9.09	63	7664	2.699	ug/l	96
46) Dibromomethane	9.18	93	4344	2.711	ug/l	92
47) Bromodichloromethane	9.37	83	8473	2.473	ug/l #	88
48) Methyl methacrylate	9.17	41	7509	2.497	ug/l	96
49) 1,4-Dioxane	9.17	88	2045	46.720	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	45570	12.445	ug/l	99
52) Toluene	10.13	92	14896	2.636	ug/l	97
53) t-1,3-Dichloropropene	10.36	75	9283	2.419	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	10342	2.442	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	6139	2.763	ug/l	91
56) Ethyl methacrylate	10.40	69	8442	2.273	ug/l	91
57) 1,3-Dichloropropane	10.68	76	10649	2.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	12832	9.734	ug/l	99
59) 2-Hexanone	10.72	43	31706	11.927	ug/l	95
60) Dibromochloromethane	10.88	129	5817	2.414	ug/l	99
61) 1,2-Dibromoethane	10.98	107	6056	2.700	ug/l	92
64) Tetrachloroethene	10.60	164	4822	2.740	ug/l	94
65) Chlorobenzene	11.41	112	15504	2.689	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	5296	2.491	ug/l	92
67) Ethyl Benzene	11.48	91	27127	2.507	ug/l	95
68) m/p-Xylenes	11.60	106	19194	5.011	ug/l	97
69) o-Xylene	11.92	106	9130	2.448	ug/l	96
70) Styrene	11.94	104	14196	2.303	ug/l	97
71) Bromoform	12.10	173	3785	2.429	ug/l #	92
73) Isopropylbenzene	12.22	105	24561	2.768	ug/l	100
74) N-amyl acetate	12.05	43	10186	2.359	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.48	83	9162	3.071	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	11517	4.094	ug/l #	100
77) Bromobenzene	12.50	156	5927	2.939	ug/l	92
78) n-propylbenzene	12.57	91	28501	2.750	ug/l	99
79) 2-Chlorotoluene	12.65	91	17541	2.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	19443	2.673	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	2450	2.331	ug/l	95
82) 4-Chlorotoluene	12.75	91	17133	2.683	ug/l	98
83) tert-Butylbenzene	12.97	119	16175	2.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	17796	2.462	ug/l	97
85) sec-Butylbenzene	13.15	105	21342	2.609	ug/l	97
86) p-Isopropyltoluene	13.26	119	16949	2.401	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	9002	2.587	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	8961	2.503	ug/l	83
89) n-Butylbenzene	13.59	91	14693	2.357	ug/l	95
90) Hexachloroethane	13.85	117	3722	2.680	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	9323	2.771	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1468	2.697	ug/l	84

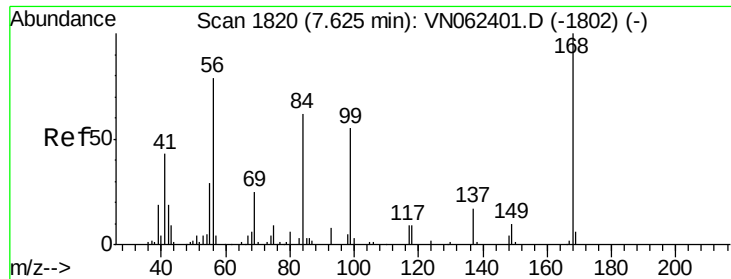
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	2936	1.936	ug/l	93
94) Hexachlorobutadiene	14.98	225	2694	3.016	ug/l	93
95) Naphthalene	15.11	128	7941	1.857	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	3084	1.955	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

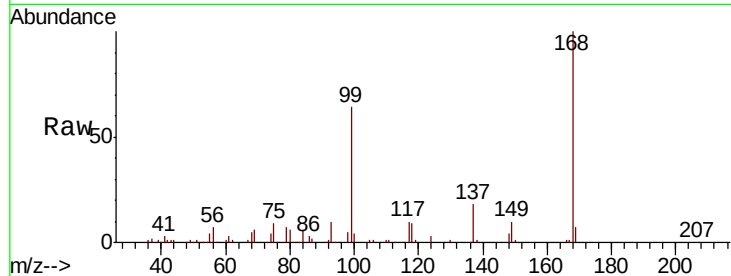
LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 188064

Ion Ratio Lower Upper

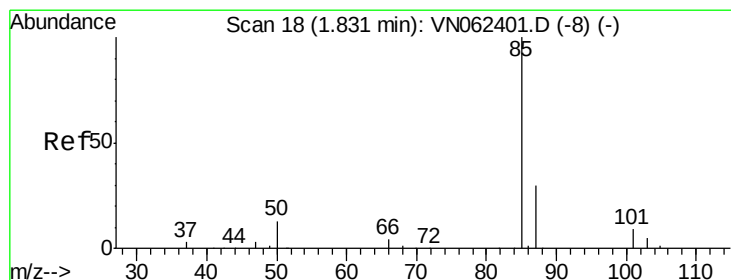
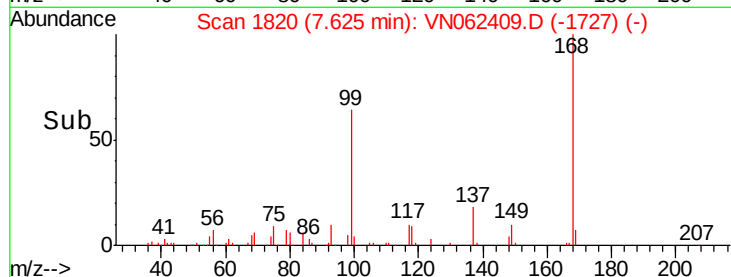
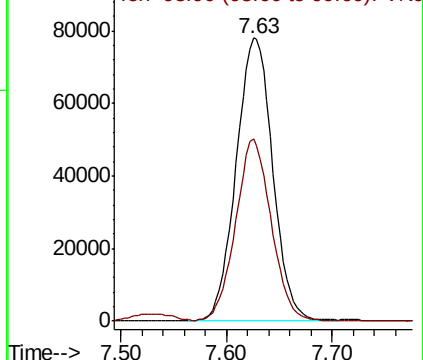
168 100

99 64.1 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 2.685 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062409.D

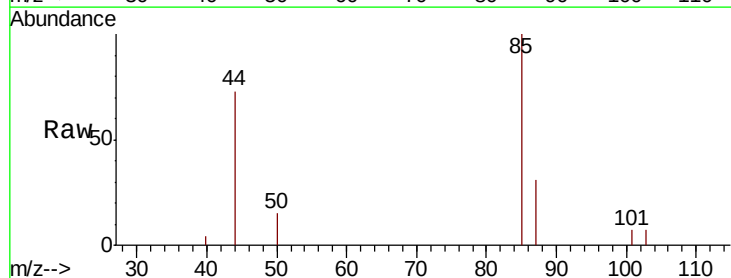
Acq: 8 Jul 2020 15:49

Tgt Ion: 85 Resp: 5144

Ion Ratio Lower Upper

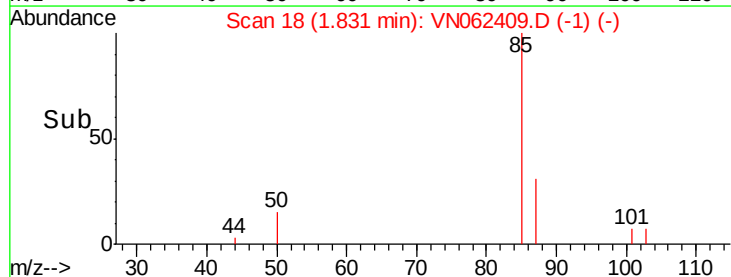
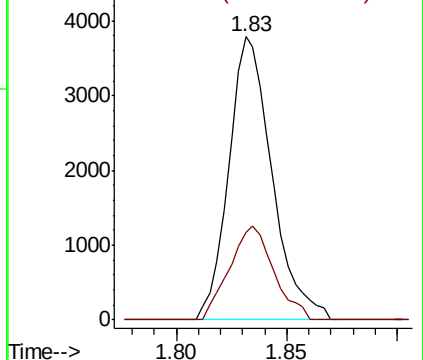
85 100

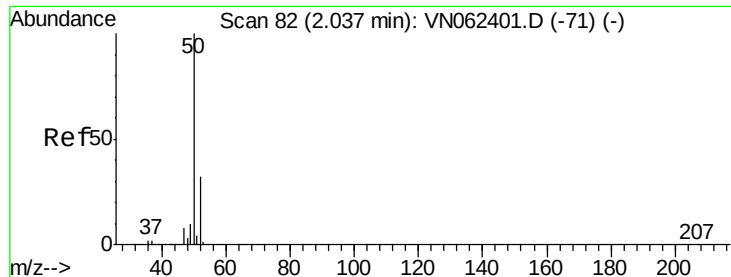
87 31.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 2.697 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

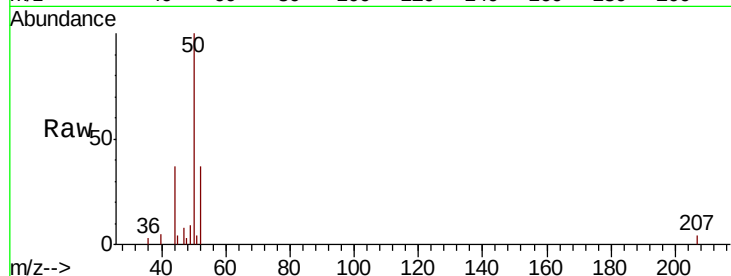
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 8289

Ion Ratio Lower Upper

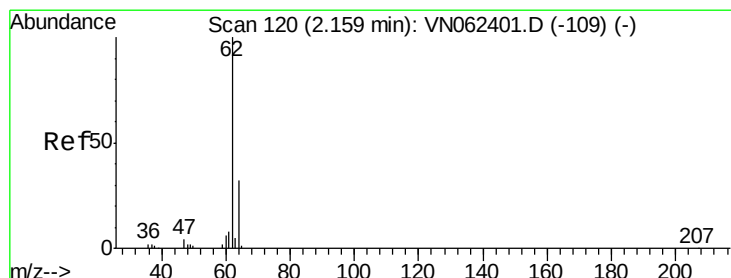
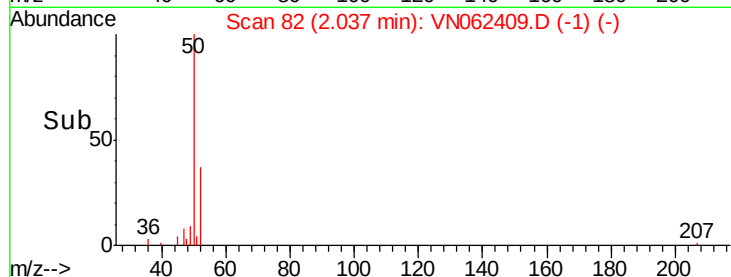
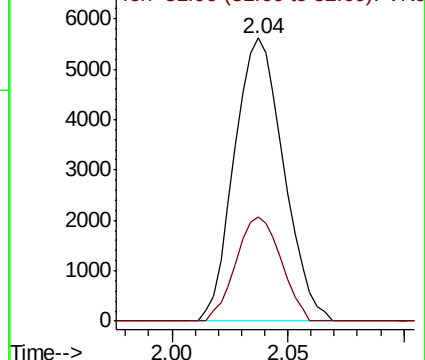
50 100

52 36.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 2.660 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062409.D

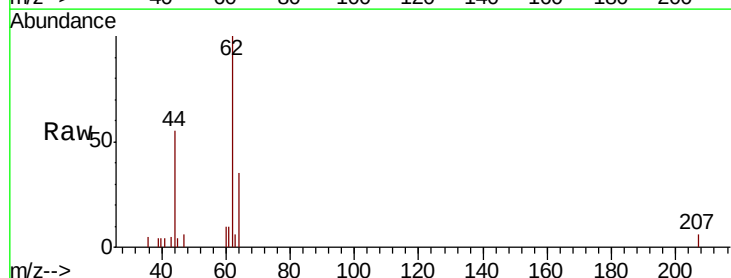
Acq: 8 Jul 2020 15:49

Tgt Ion: 62 Resp: 6699

Ion Ratio Lower Upper

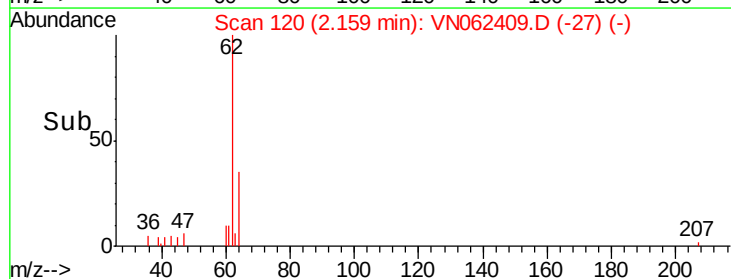
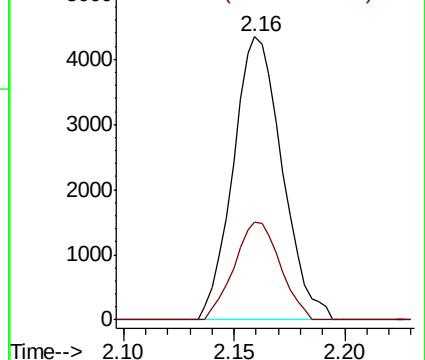
62 100

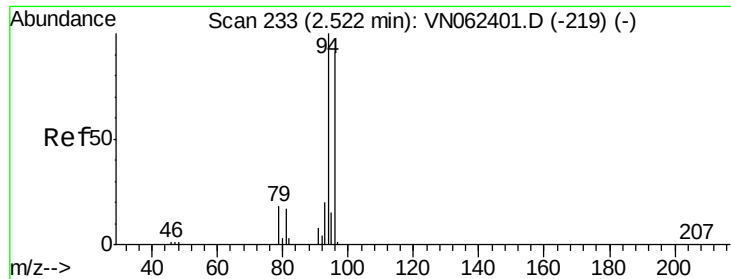
64 34.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 3.188 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

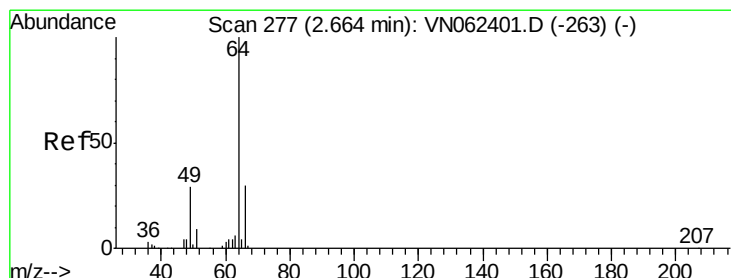
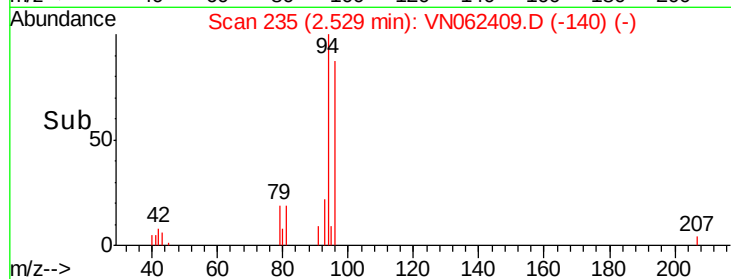
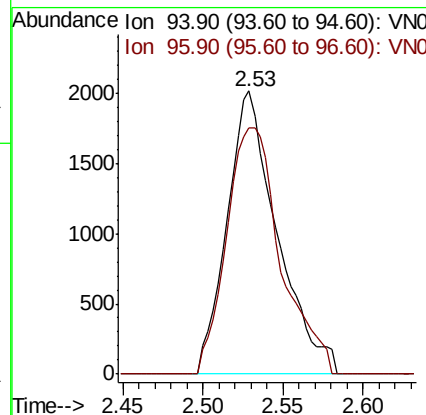
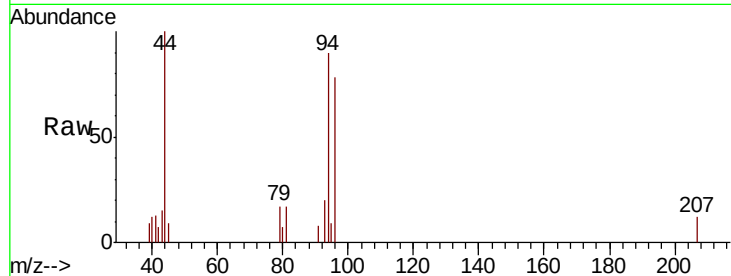
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 4312

Ion Ratio Lower Upper

94 100

96 86.9 73.2 109.8



#6

Chloroethane

Concen: 2.912 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062409.D

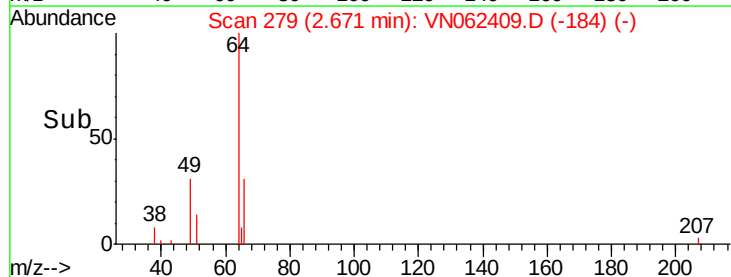
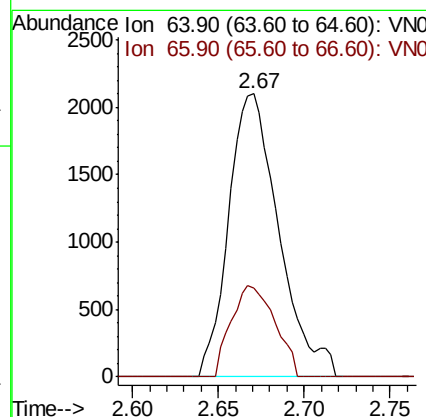
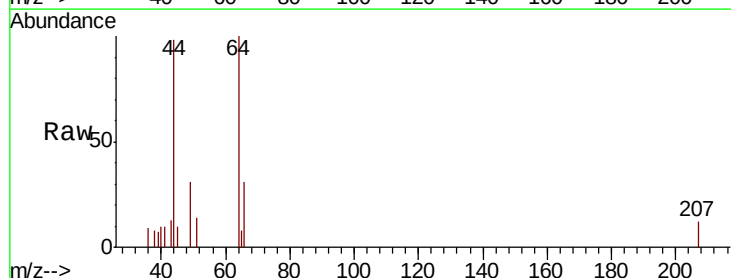
Acq: 8 Jul 2020 15:49

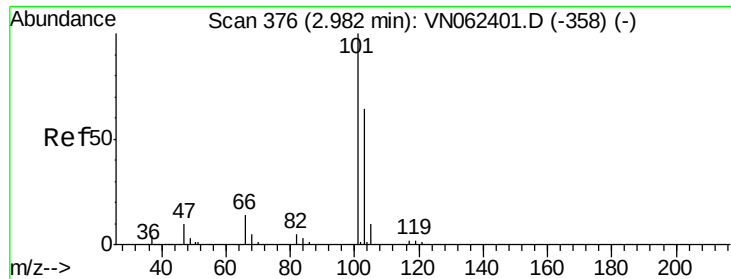
Tgt Ion: 64 Resp: 4271

Ion Ratio Lower Upper

64 100

66 31.2 24.2 36.2



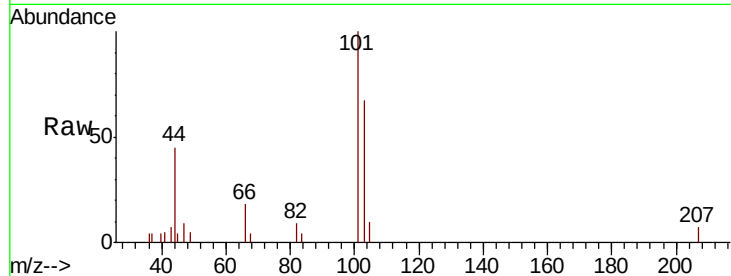


#7

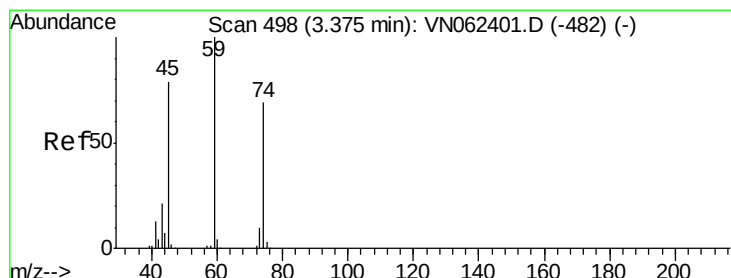
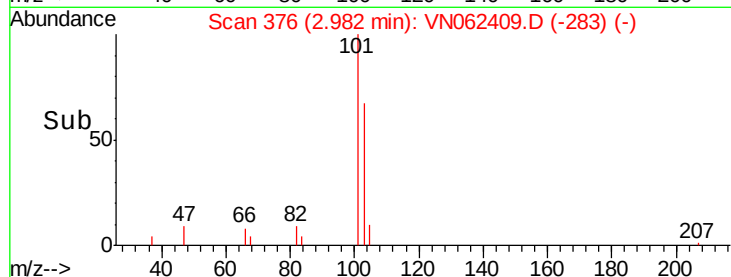
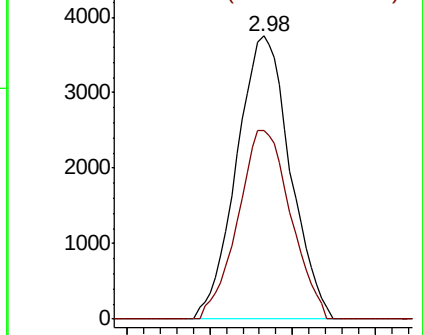
Trichlorofluoromethane
 Concen: 2.630 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Instrument :
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 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:101 Resp: 8411
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.6 77.4



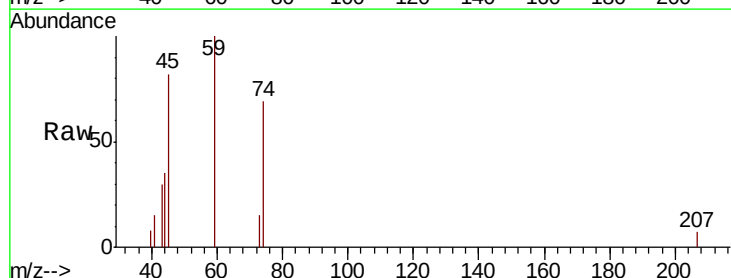
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



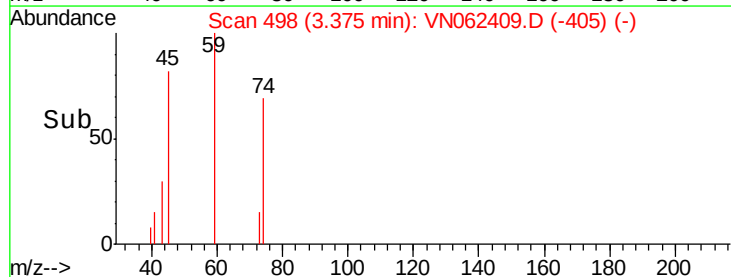
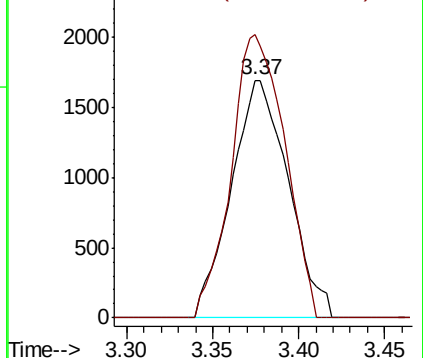
#8

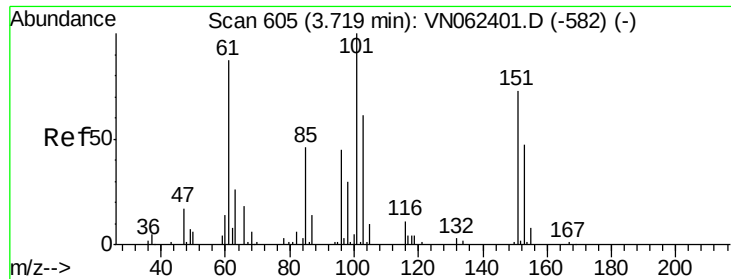
Diethyl Ether
 Concen: 2.738 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 74 Resp: 3915
 Ion Ratio Lower Upper
 74 100
 45 112.3 58.5 175.3



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.645 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

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LOD-MDL-WATER-01-QT3-2020

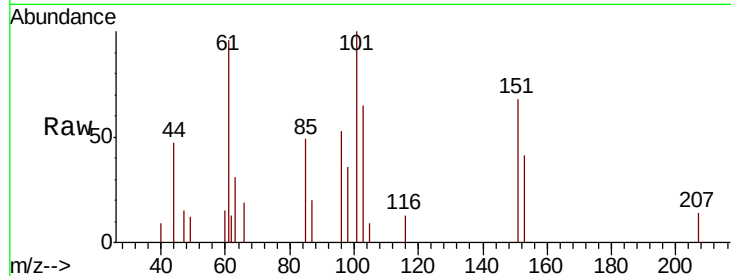
Tot Ion:101 Resp: 5014

Ion Ratio Lower Upper

101 100

85 49.9 36.7 55.1

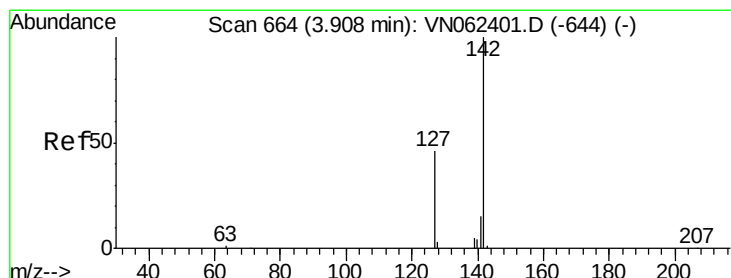
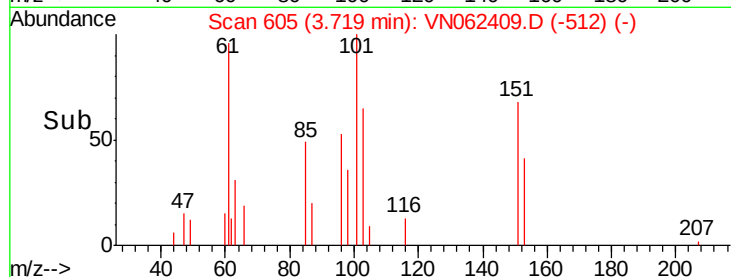
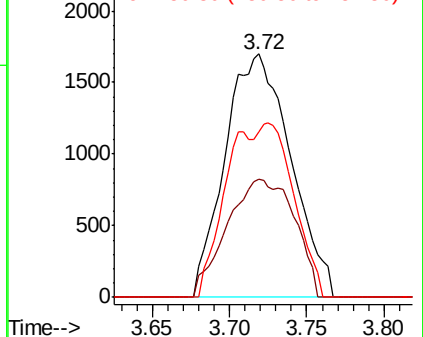
151 33.0 58.3 87.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.946 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

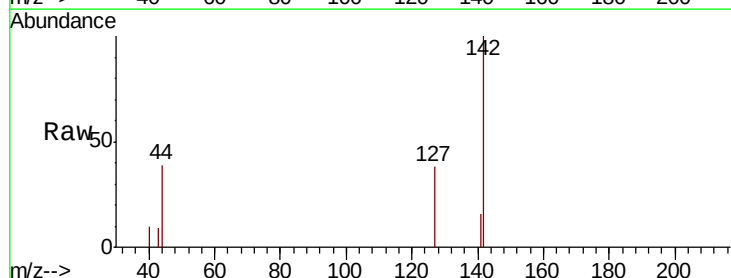
Tgt Ion:142 Resp: 4871

Ion Ratio Lower Upper

142 100

127 42.7 36.1 54.1

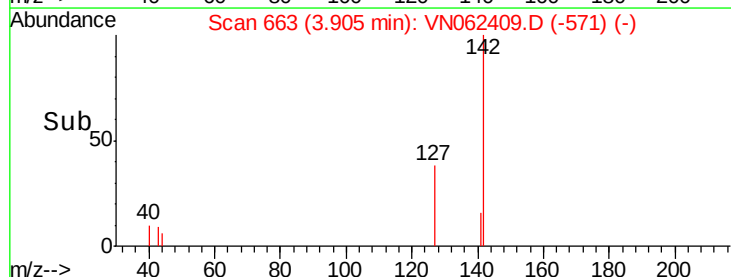
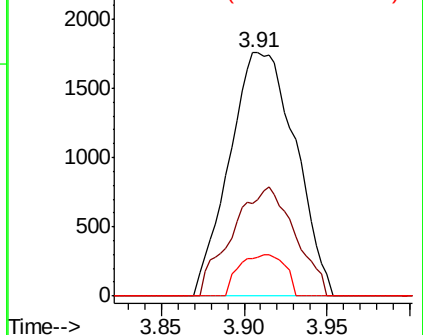
141 11.7 11.4 17.0

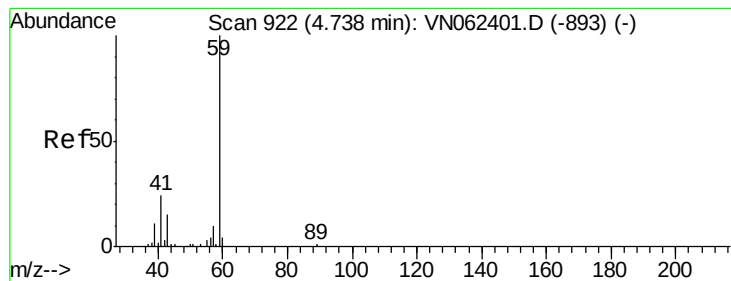


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



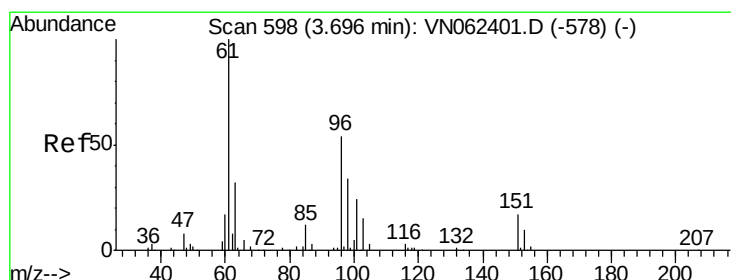
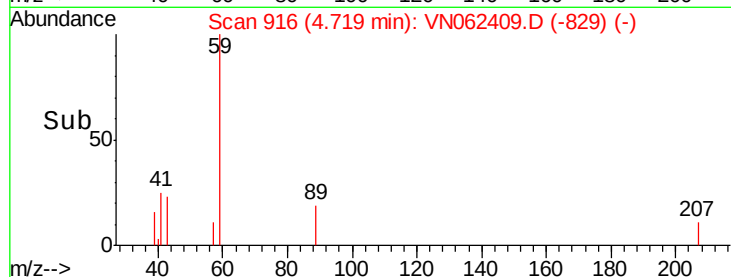
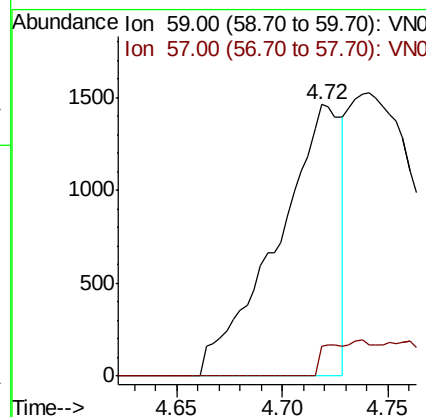
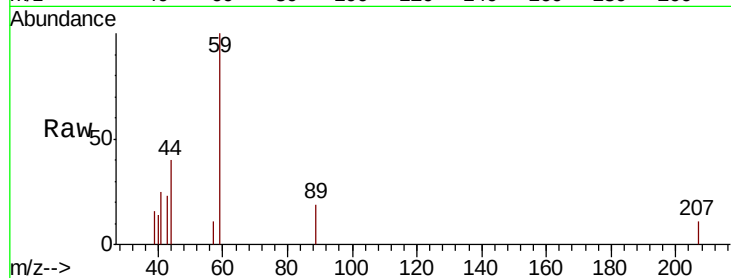


#11

Tert butyl alcohol
 Concen: 6.479 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

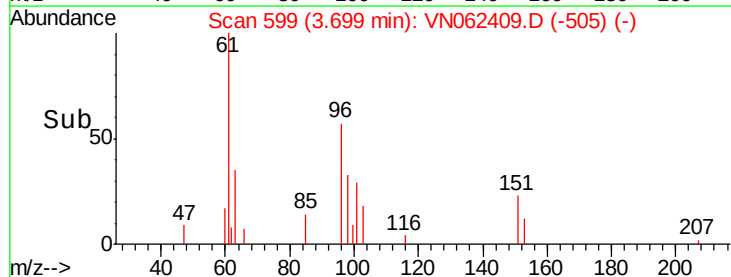
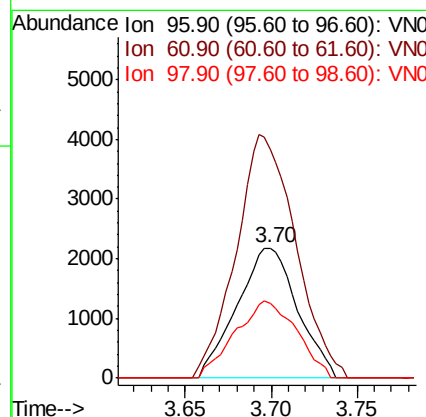
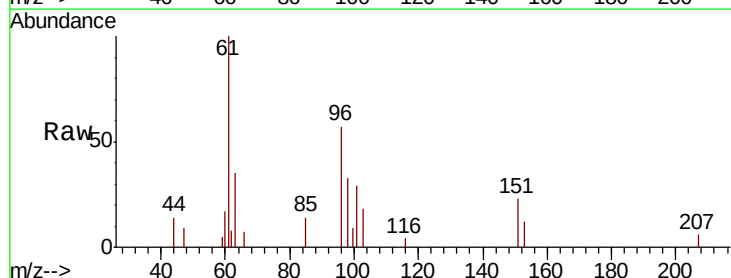
Tot Ion: 59 Resp: 3109
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

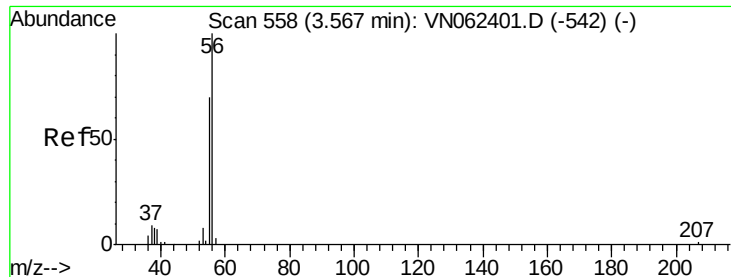


#12

1,1-Dichloroethene
 Concen: 2.768 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 96 Resp: 5343
 Ion Ratio Lower Upper
 96 100
 61 176.0 147.4 221.0
 98 58.0 50.4 75.6





#13

Acrolein

Concen: 13.509 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

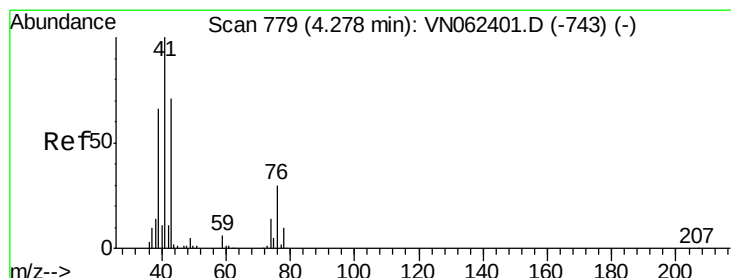
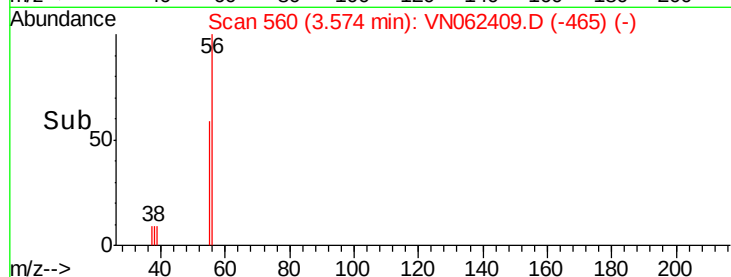
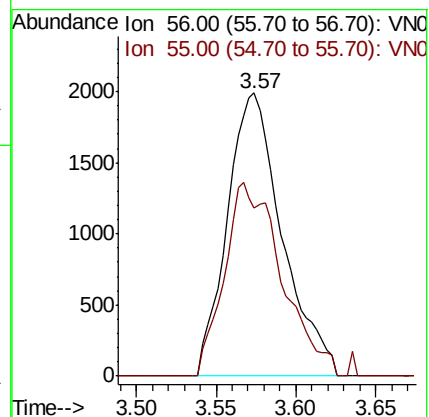
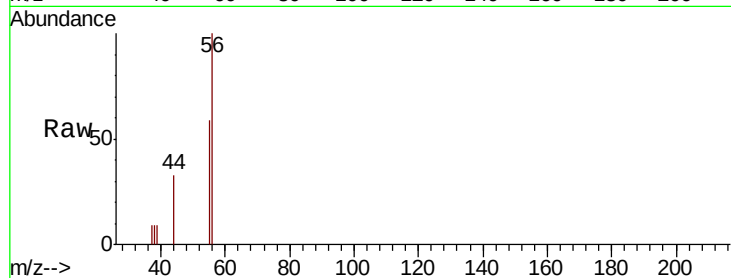
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 4676

Ion Ratio Lower Upper

56 100

55 71.6 57.2 85.8



#14

Allyl chloride

Concen: 2.543 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

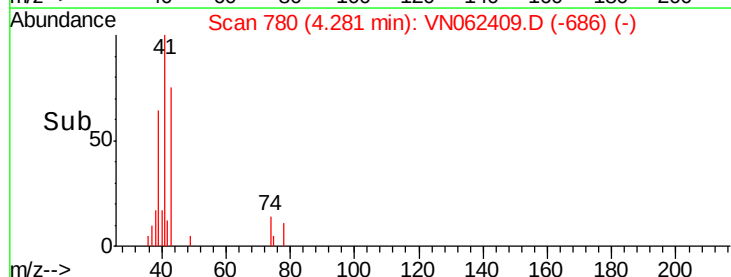
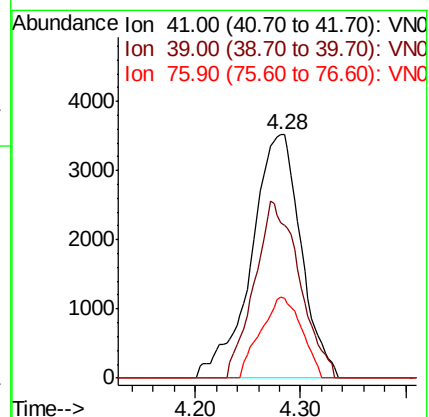
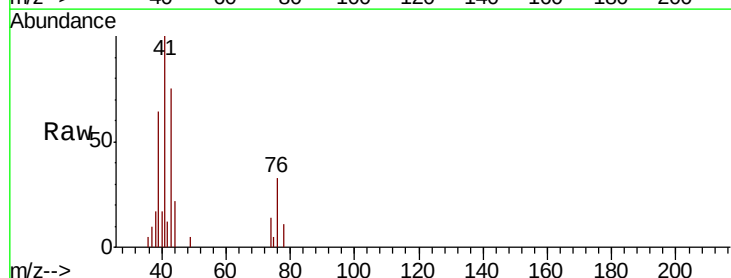
Tgt Ion: 41 Resp: 11545

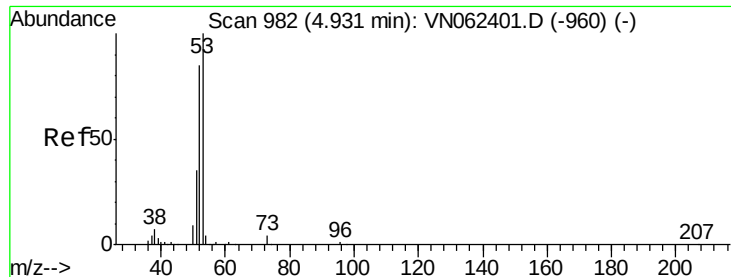
Ion Ratio Lower Upper

41 100

39 65.8 49.6 74.4

76 27.3 22.2 33.4





#15

Acrylonitrile

Concen: 12.793 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

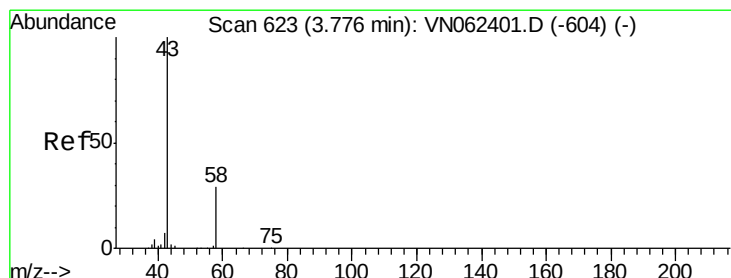
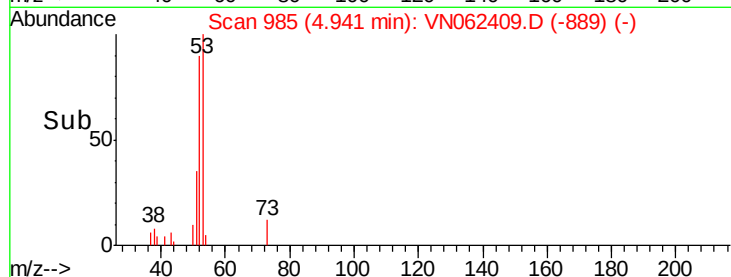
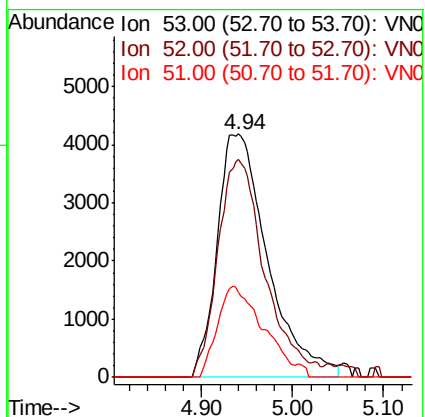
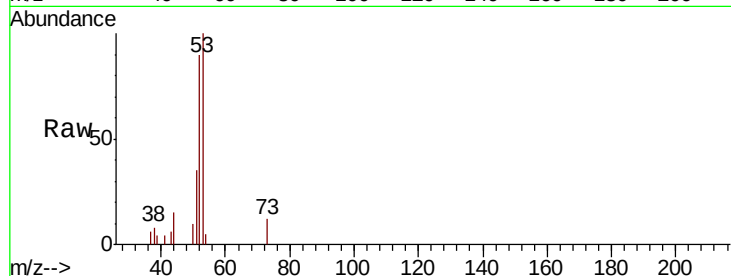
Tot Ion: 53 Resp: 16100

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.4

51 33.5 28.7 43.1



#16

Acetone

Concen: 12.553 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062409.D

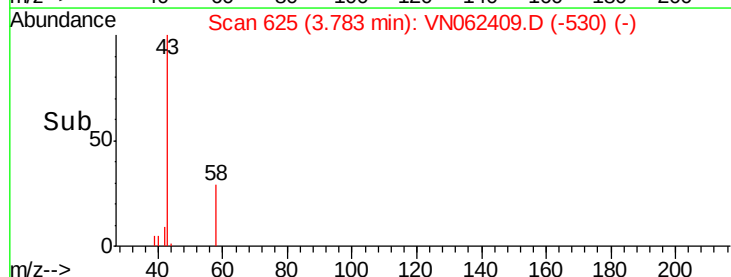
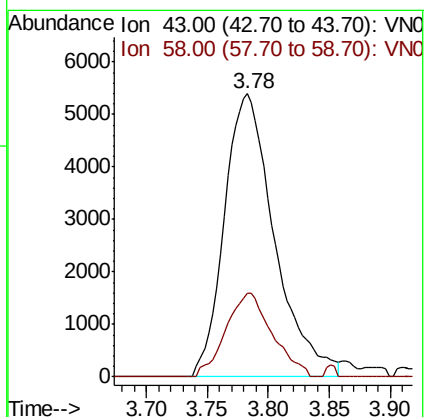
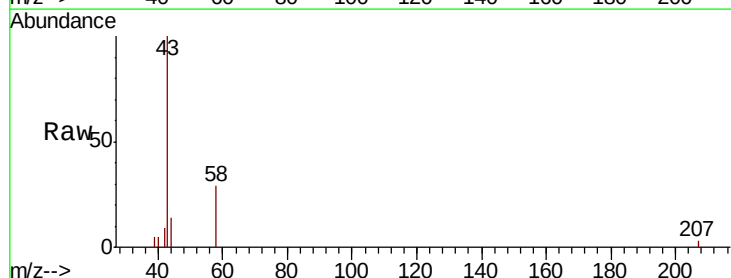
Acq: 8 Jul 2020 15:49

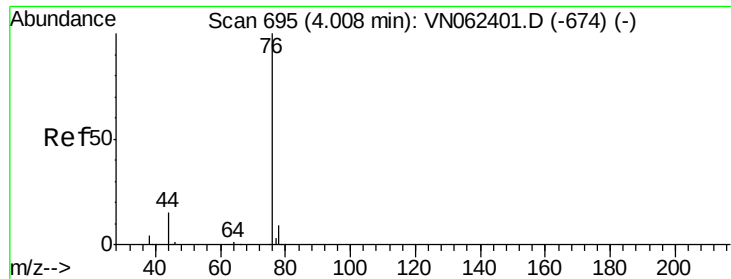
Tgt Ion: 43 Resp: 15416

Ion Ratio Lower Upper

43 100

58 29.4 23.5 35.3

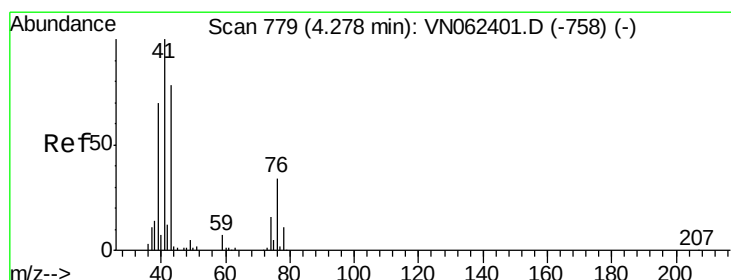
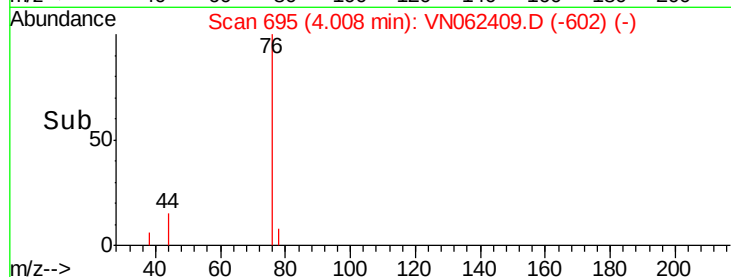
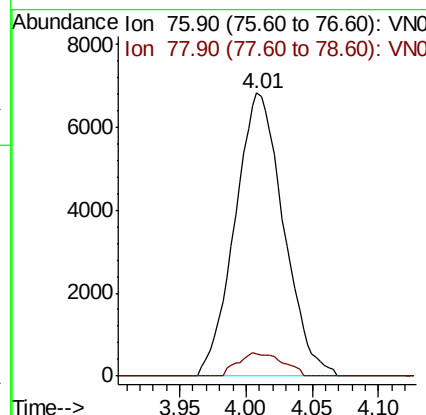
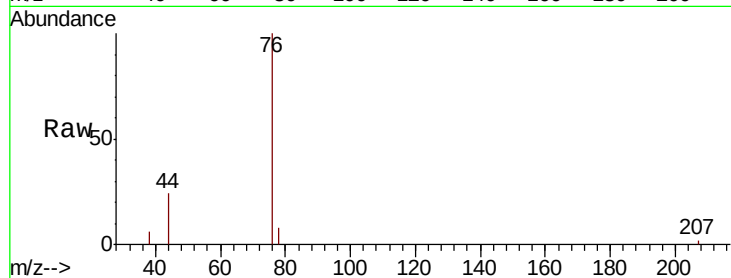




#17
Carbon Disulfide
Concen: 2.871 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

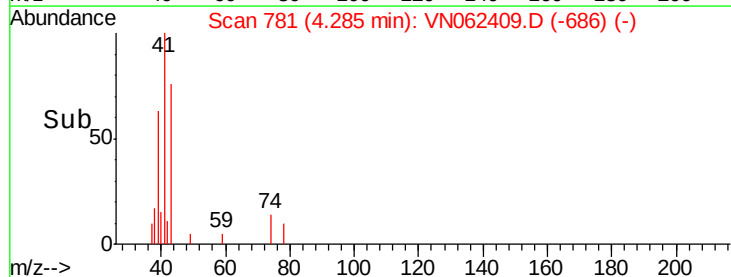
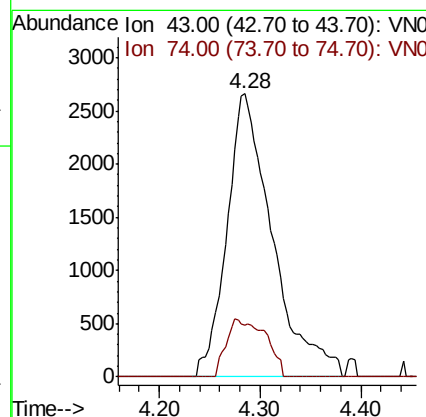
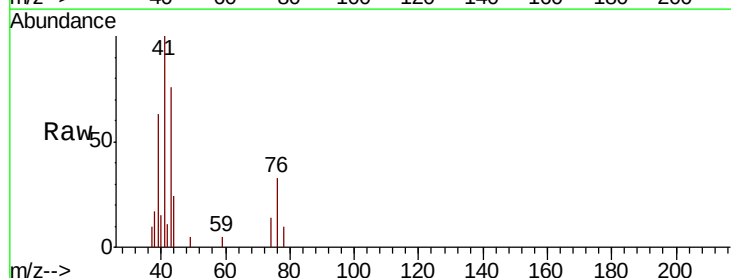
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

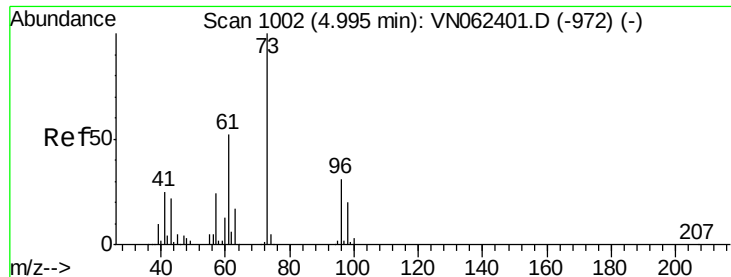
Tot Ion: 76 Resp: 17365
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#18
Methyl Acetate
Concen: 2.725 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 43 Resp: 8353
Ion Ratio Lower Upper
43 100
74 17.6 16.0 24.0

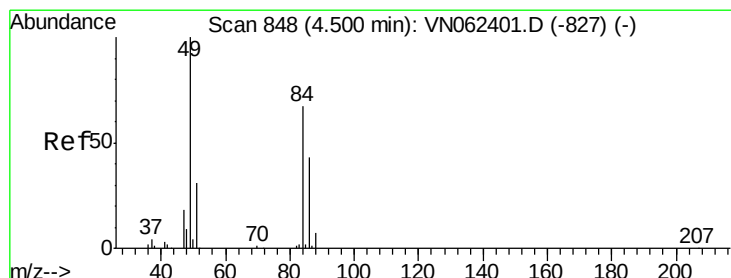
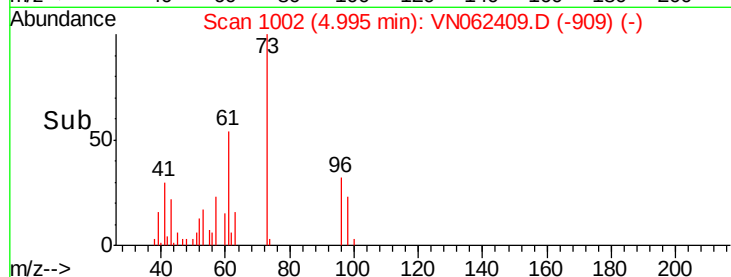
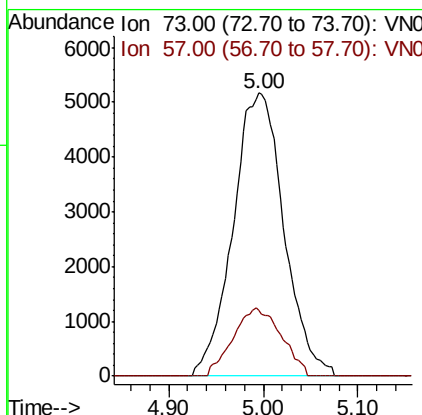
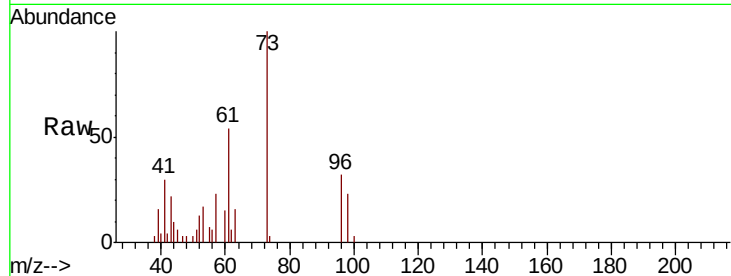




#19
Methyl tert-butyl Ether
Concen: 2.636 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

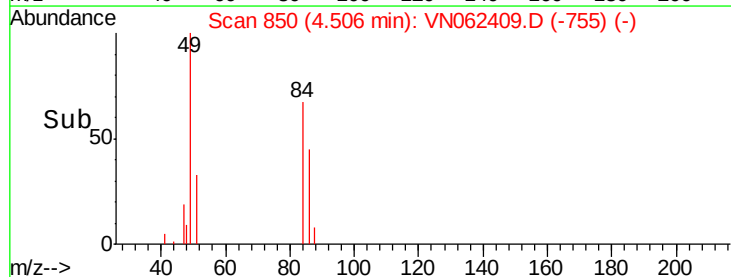
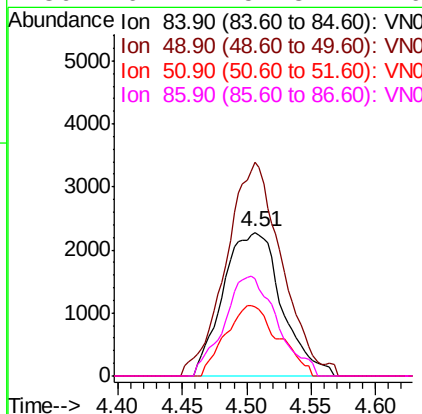
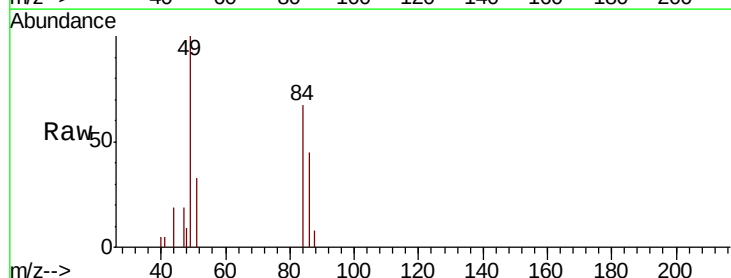
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

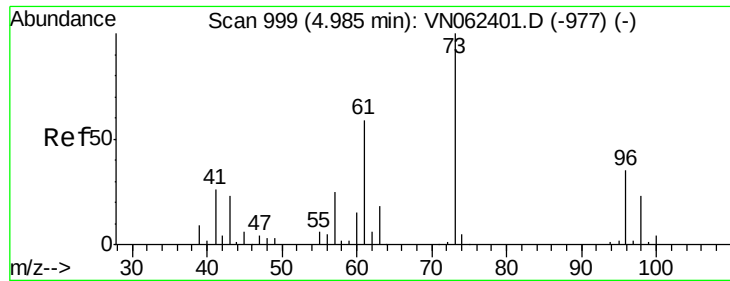
Tot Ion: 73 Resp: 19290
Ion Ratio Lower Upper
73 100
57 23.3 19.4 29.0



#20
Methylene Chloride
Concen: 2.744 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 84 Resp: 7206
Ion Ratio Lower Upper
84 100
49 148.4 120.0 180.0
51 48.4 37.0 55.6
86 67.2 51.8 77.6

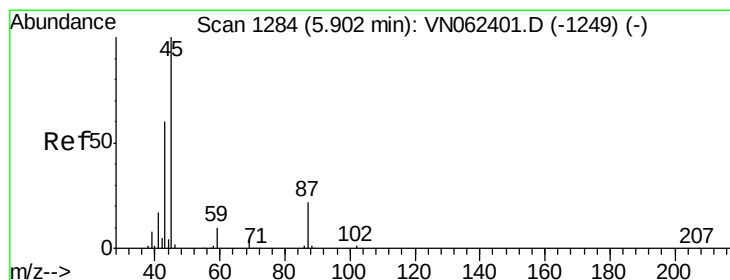
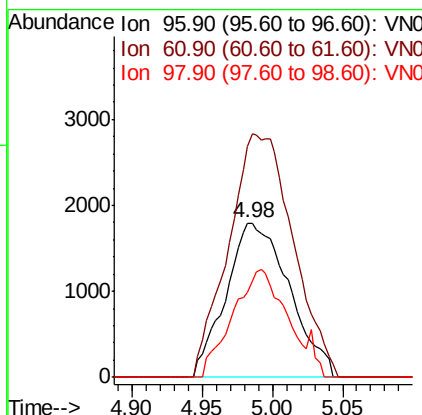
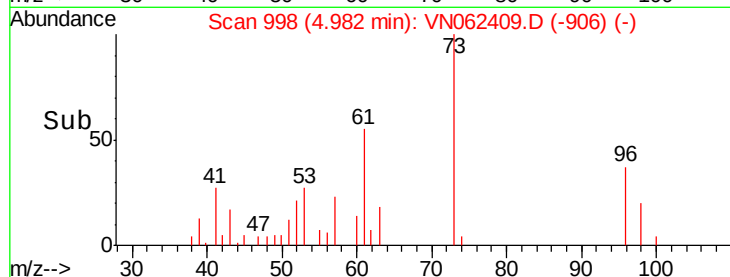
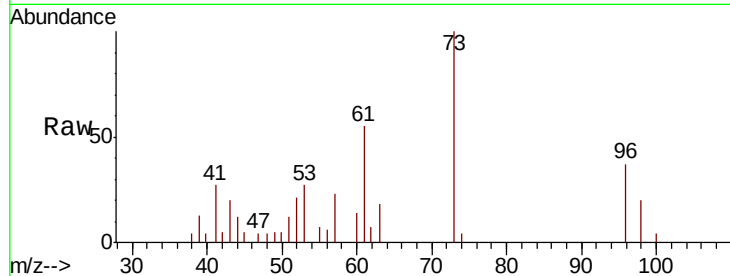




#21
trans-1,2-Dichloroethene
Concen: 2.693 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

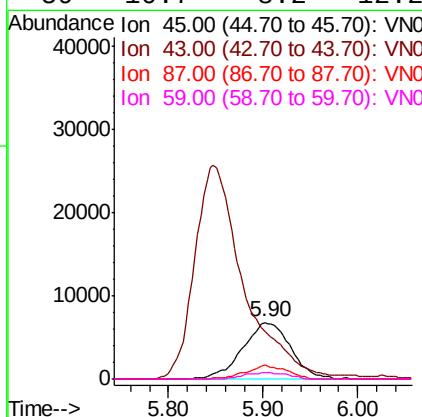
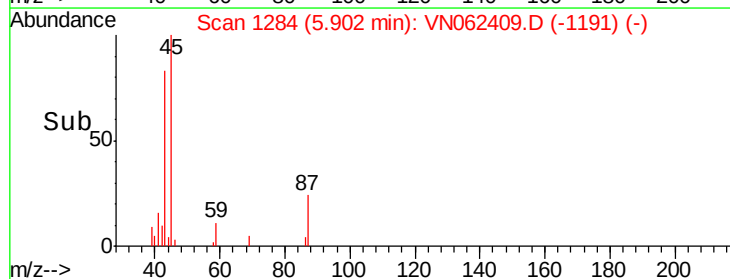
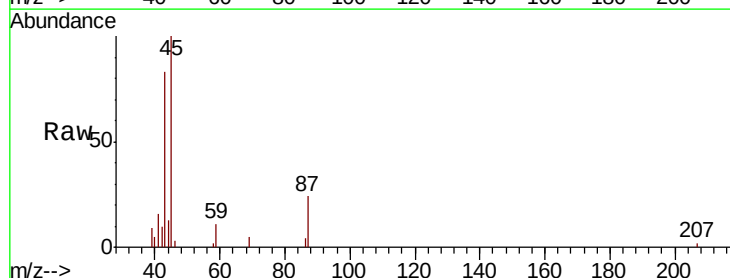
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

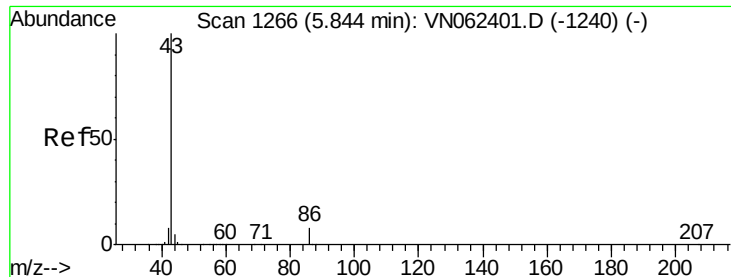
Tot Ion: 96 Resp: 5631
Ion Ratio Lower Upper
96 100
61 149.8 133.5 200.3
98 54.7 51.9 77.9



#22
Diisopropyl ether
Concen: 2.655 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 45 Resp: 23811
Ion Ratio Lower Upper
45 100
43 77.2 50.1 75.1#
87 23.9 18.2 27.4
59 10.7 8.2 12.2

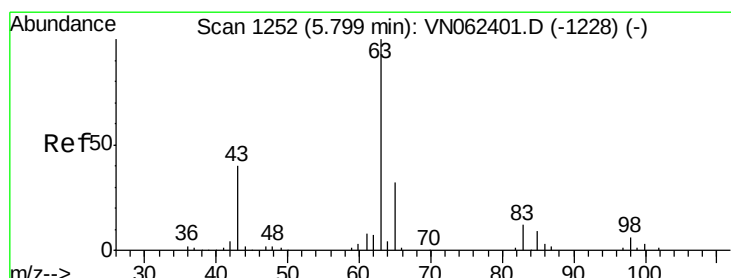
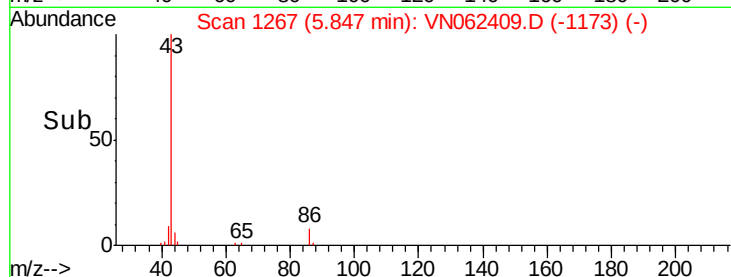
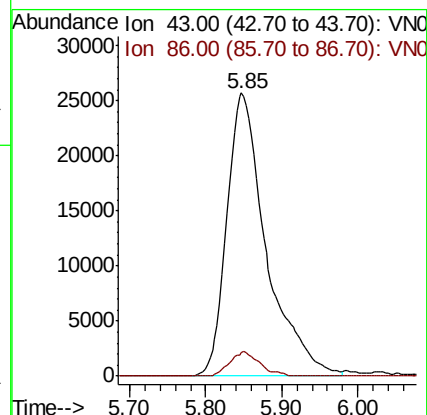
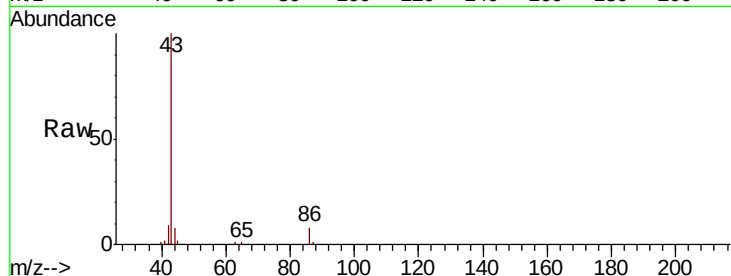




#23
 Vinyl Acetate
 Concen: 12.474 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

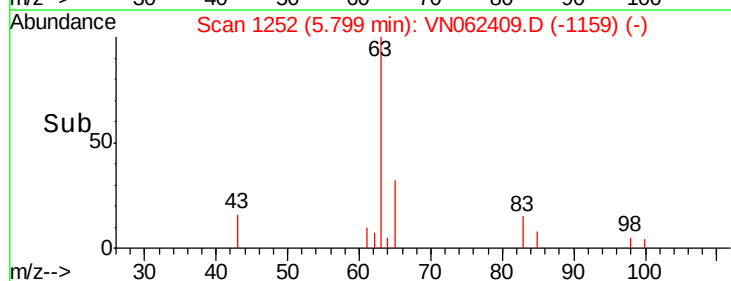
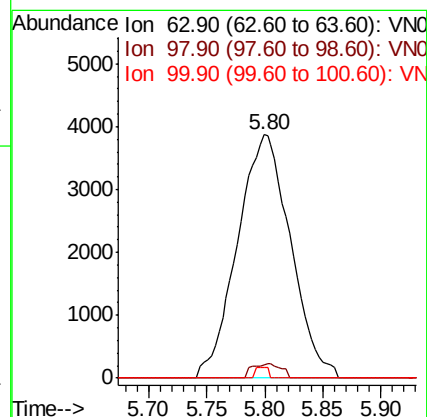
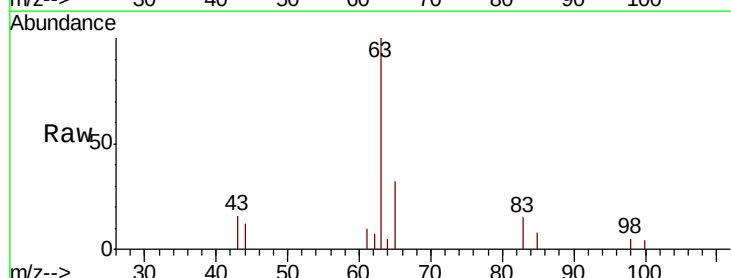
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

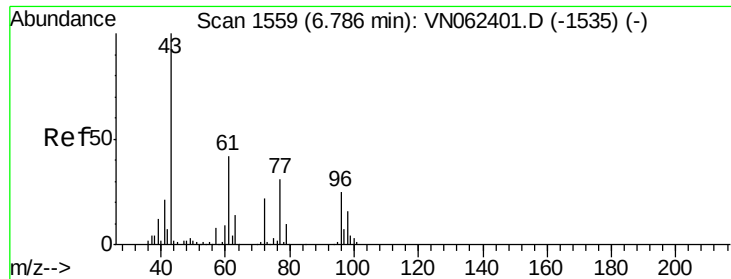
Tot Ion: 43 Resp: 92683
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 2.658 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 63 Resp: 12317
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.8
 100 4.4 1.8 5.3





#25

2-Butanone

Concen: 12.745 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

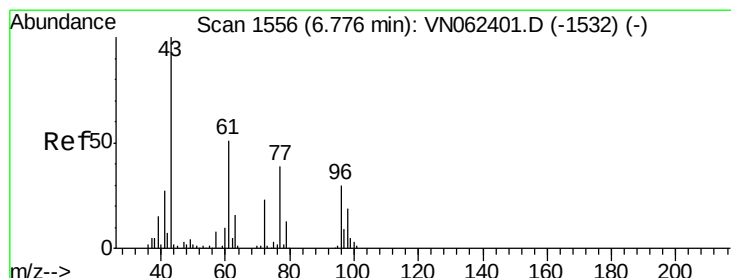
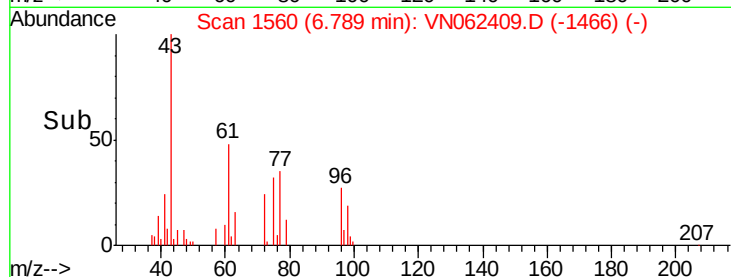
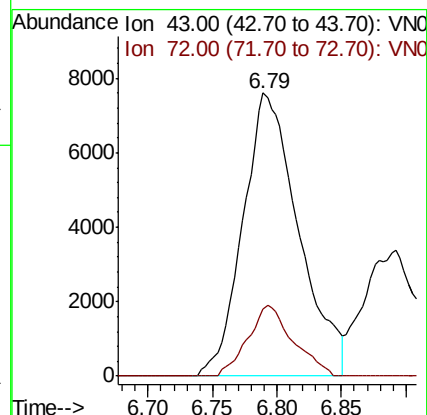
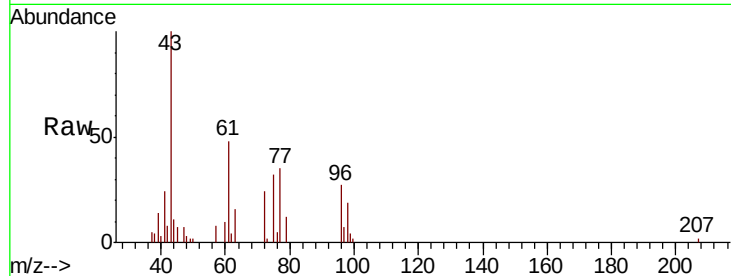
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 22859

Ion Ratio Lower Upper

43 100

72 23.9 17.9 26.9



#26

2,2-Dichloropropane

Concen: 2.706 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062409.D

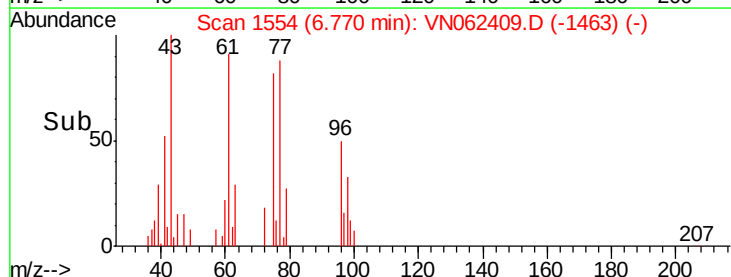
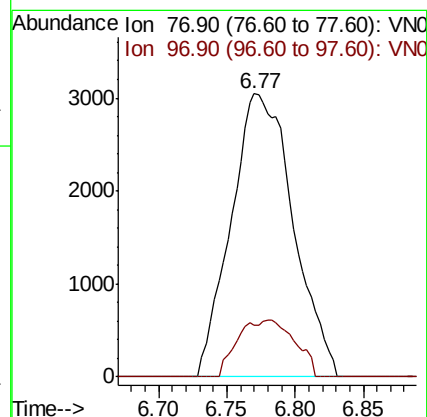
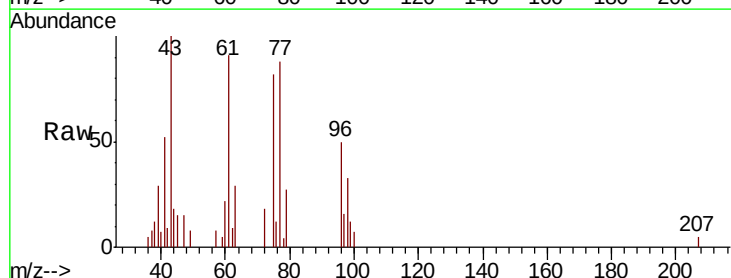
Acq: 8 Jul 2020 15:49

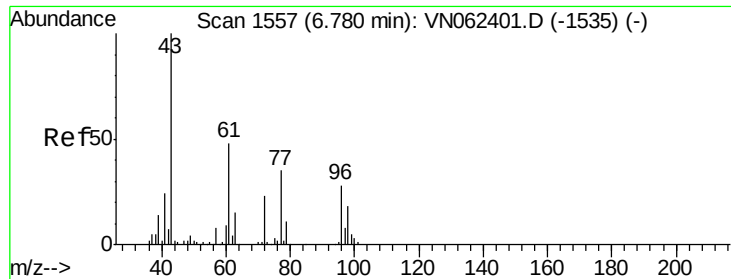
Tgt Ion: 77 Resp: 9616

Ion Ratio Lower Upper

77 100

97 18.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 2.564 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

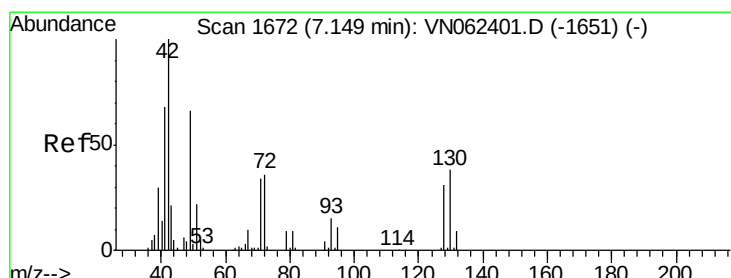
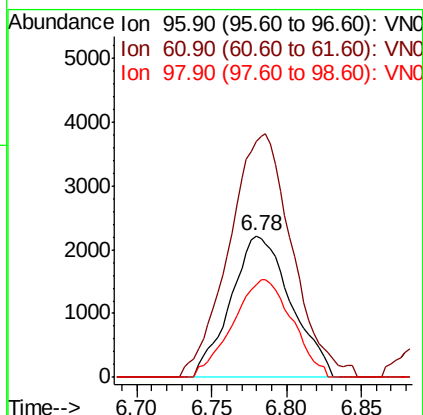
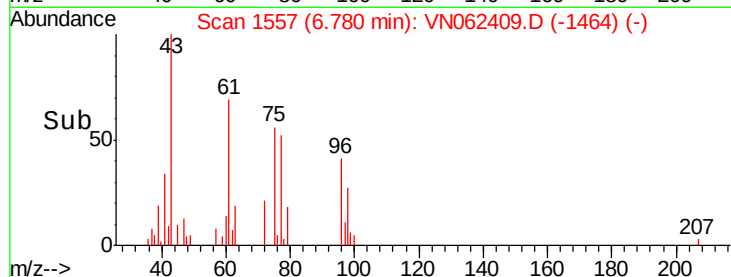
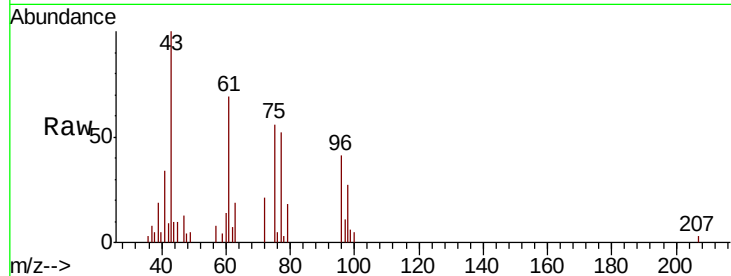
Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 96 Resp: 6210

Ion	Ratio	Lower	Upper
96	100		
61	180.3	0.0	343.4
98	68.1	0.0	128.4



#28

Bromochloromethane

Concen: 2.354 ug/l

RT: 7.15 min Scan# 1671

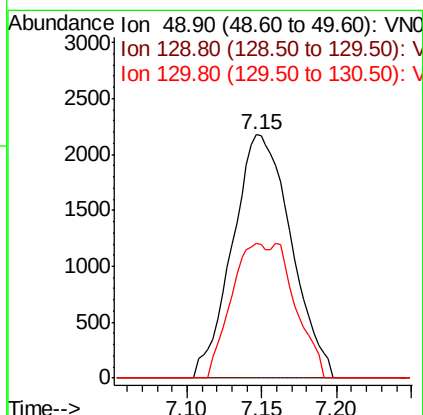
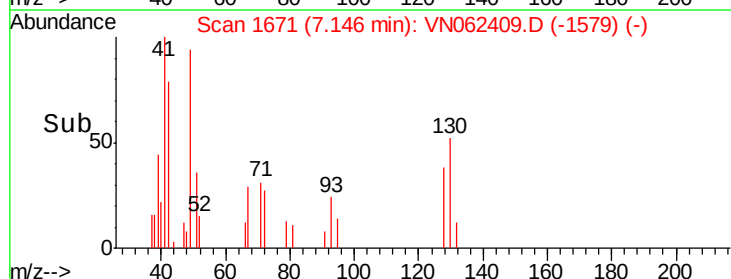
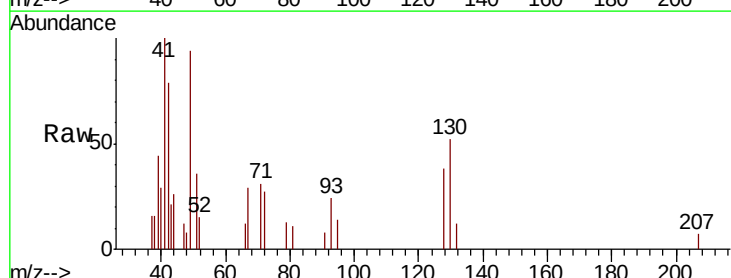
Delta R.T. -0.00 min

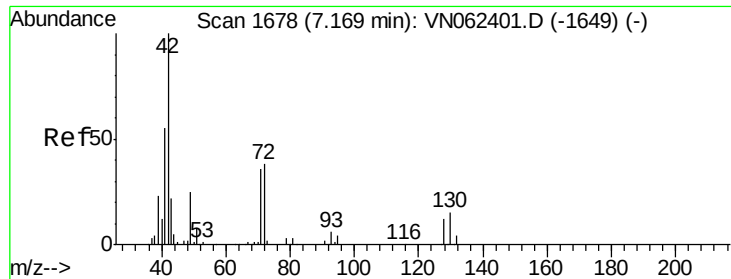
Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Tgt Ion: 49 Resp: 5927

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	36.8	46.5	69.7#

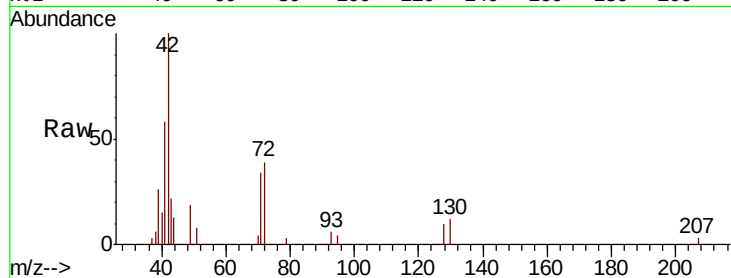




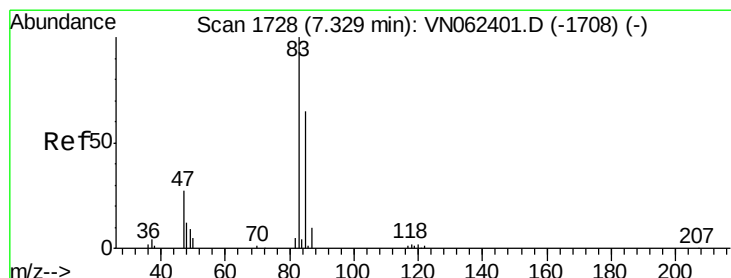
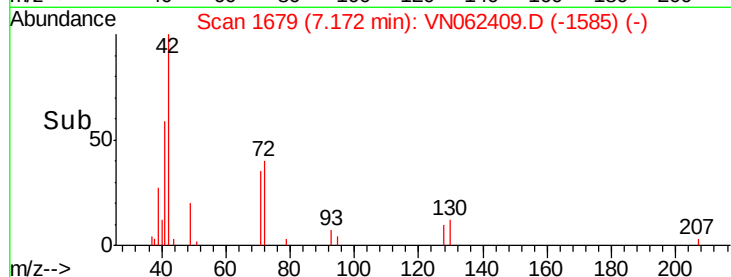
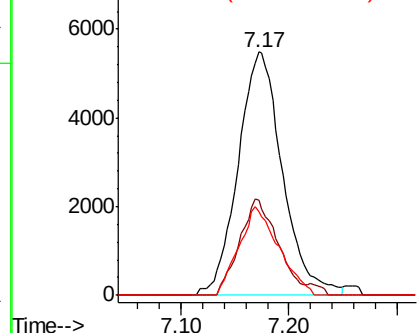
#29
Tetrahydrofuran
Concen: 13.017 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 42 Resp: 15718
Ion Ratio Lower Upper
42 100
72 35.4 29.1 43.7
71 32.5 28.1 42.1

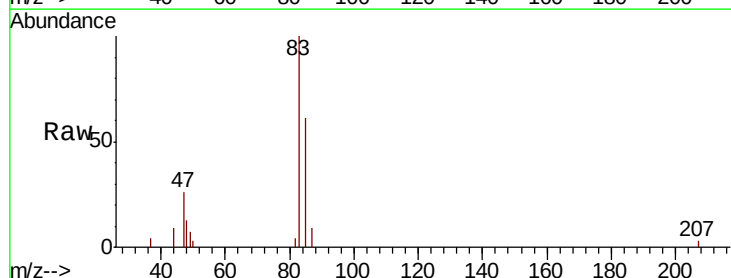


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

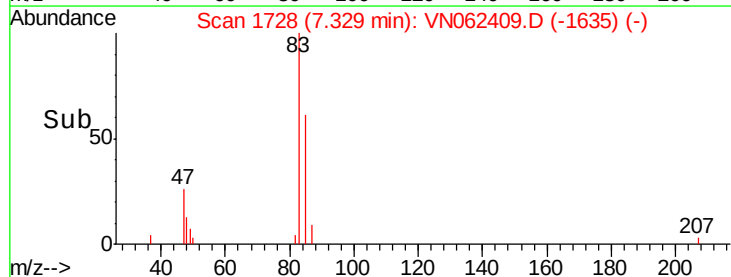
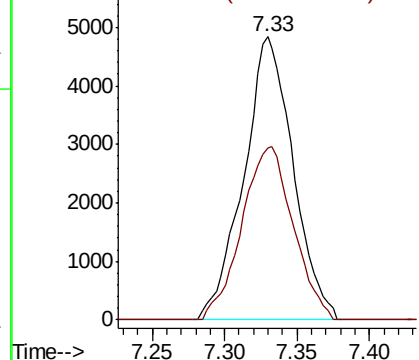


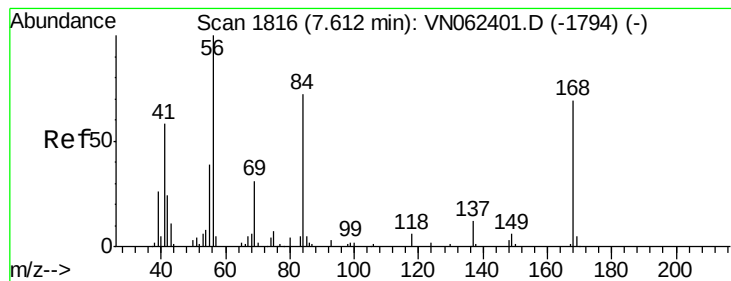
#30
Chloroform
Concen: 2.744 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 83 Resp: 11484
Ion Ratio Lower Upper
83 100
85 61.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 3.445 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

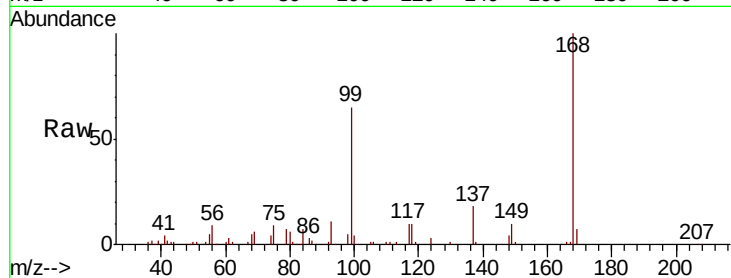
Tot Ion: 56 Resp: 15135

Ion Ratio Lower Upper

56 100

69 70.0 24.5 36.7#

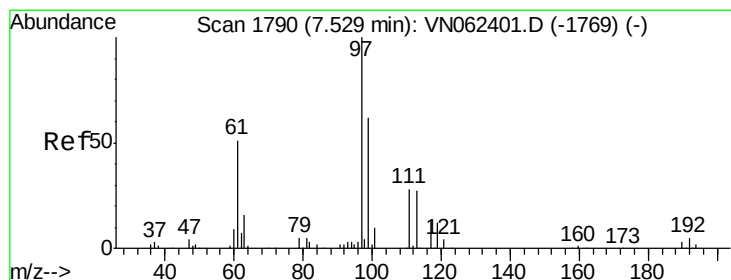
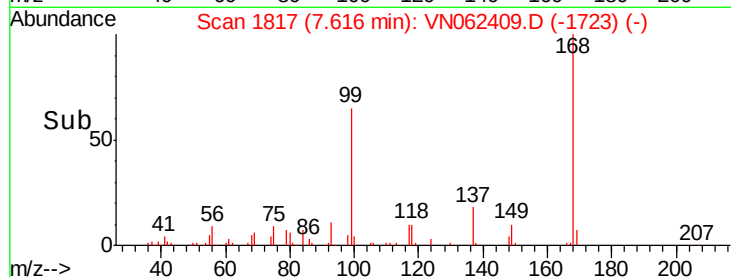
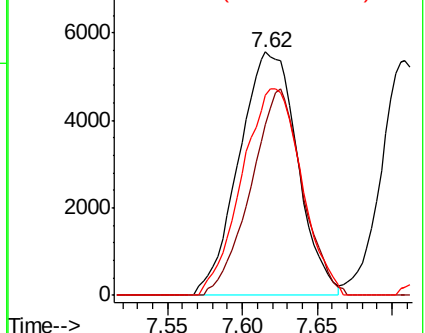
84 82.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN062401.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062401.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062401.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 2.591 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

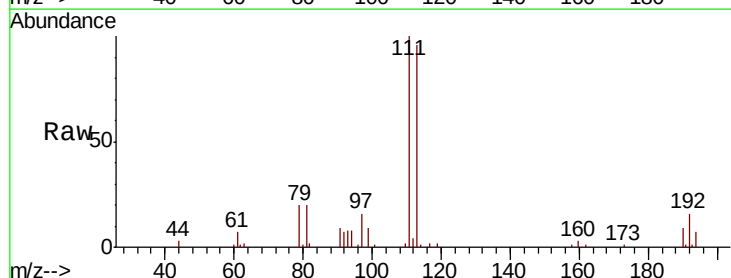
Tgt Ion: 97 Resp: 9018

Ion Ratio Lower Upper

97 100

99 63.5 50.4 75.6

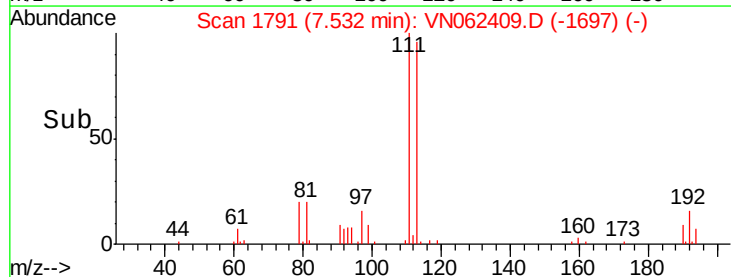
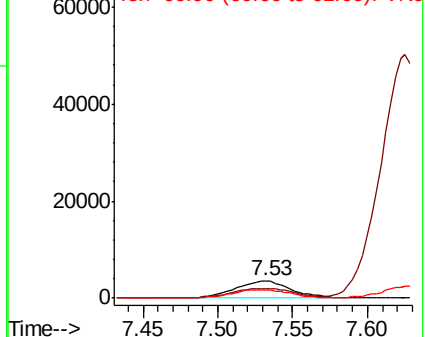
61 51.2 39.9 59.9

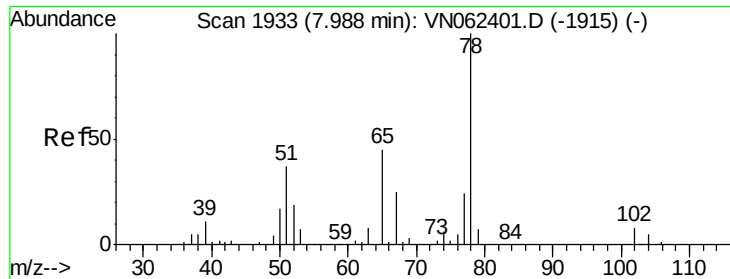


Abundance Ion 96.90 (96.60 to 97.60): VN062401.D (-1769) (-)

Ion 98.90 (98.60 to 99.60): VN062401.D (-1769) (-)

Ion 60.90 (60.60 to 61.60): VN062401.D (-1769) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.684 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

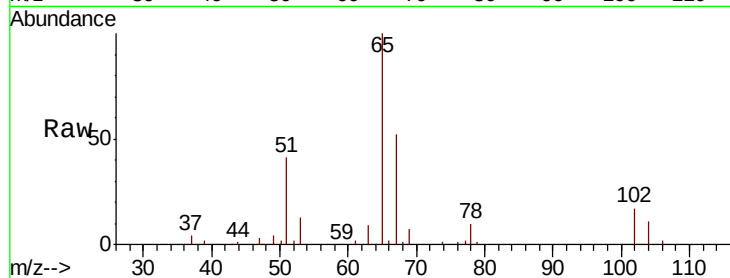
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 143720

Ion Ratio Lower Upper

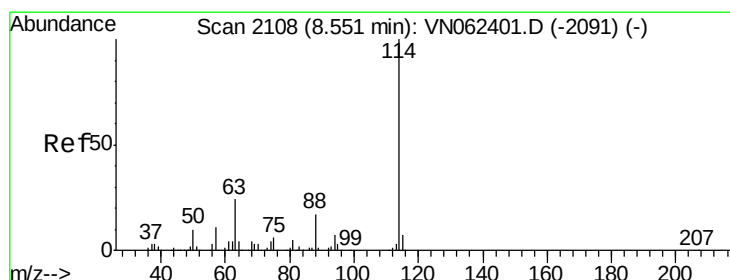
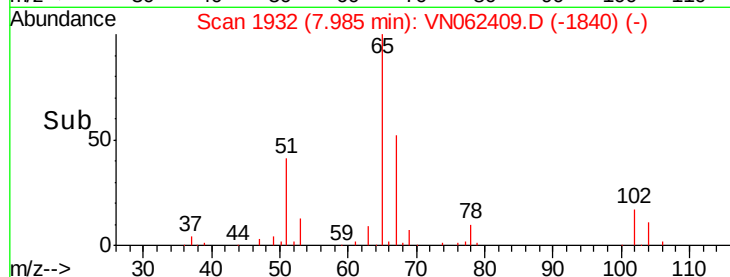
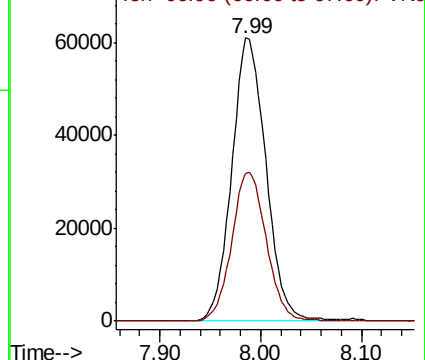
65 100

67 53.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

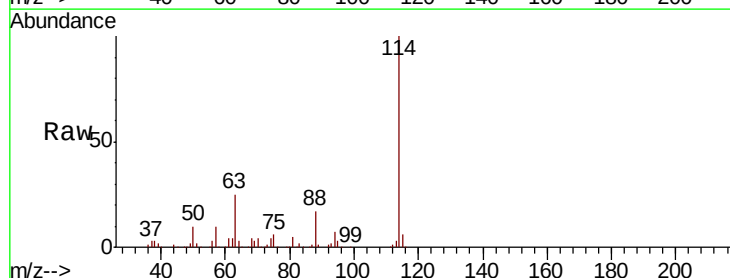
Tgt Ion: 114 Resp: 329425

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.4

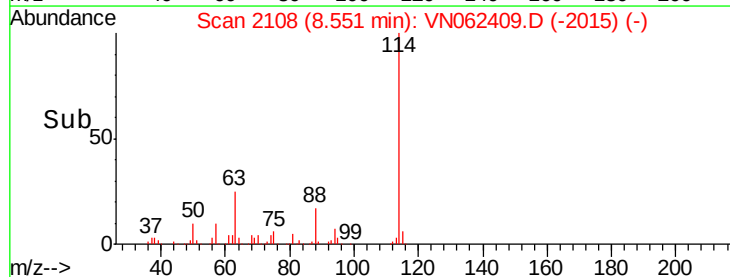
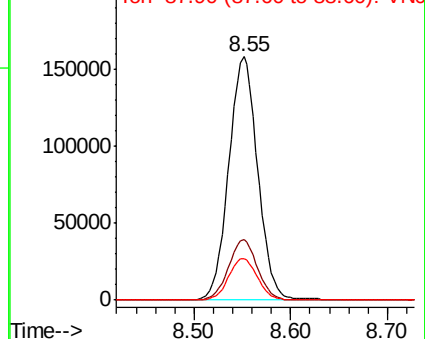
88 17.2 0.0 33.8

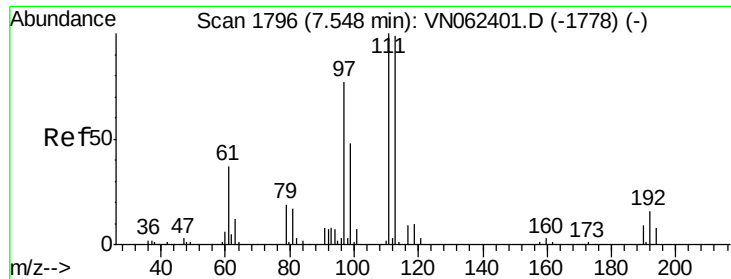


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 48.746 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

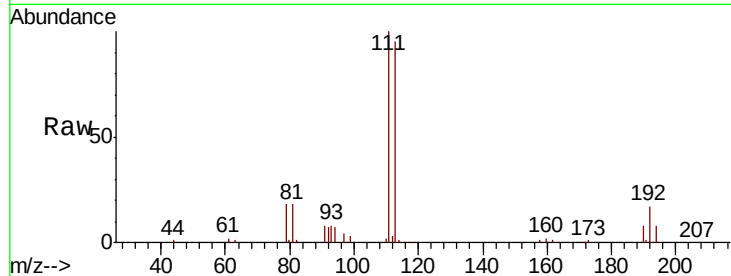
Tot Ion:113 Resp: 99261

Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

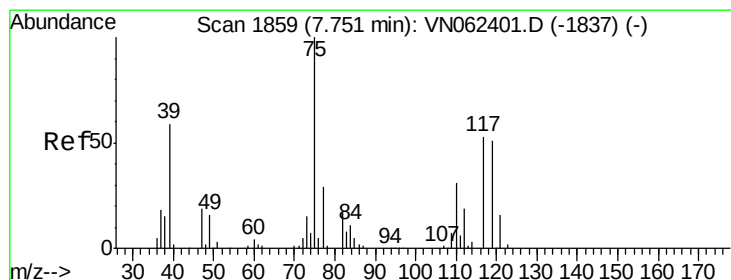
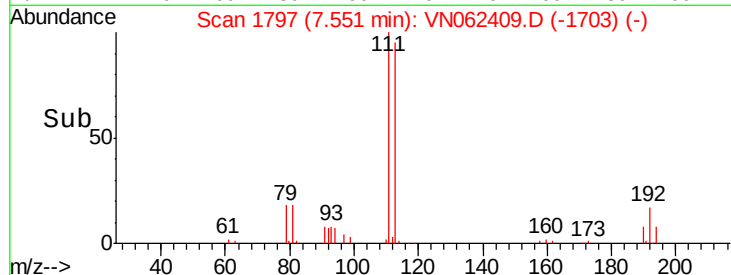
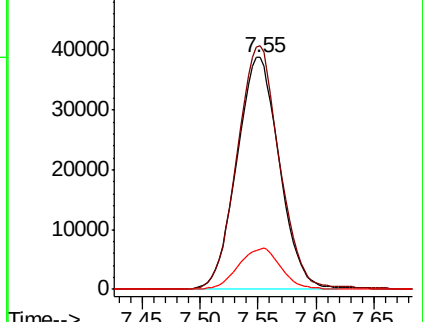
192 17.7 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.562 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

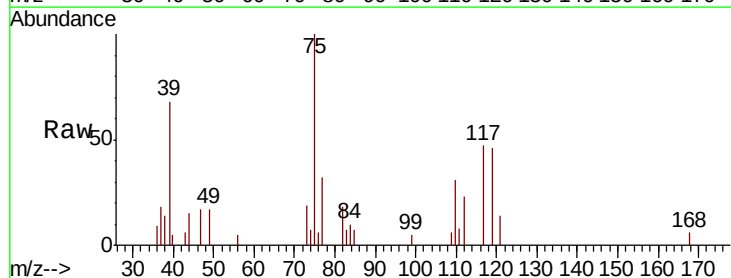
Tgt Ion: 75 Resp: 8502

Ion Ratio Lower Upper

75 100

110 29.8 15.4 46.2

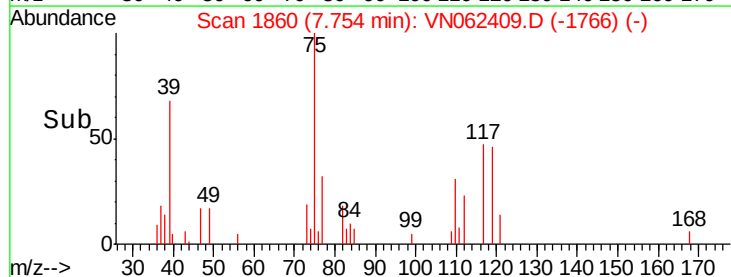
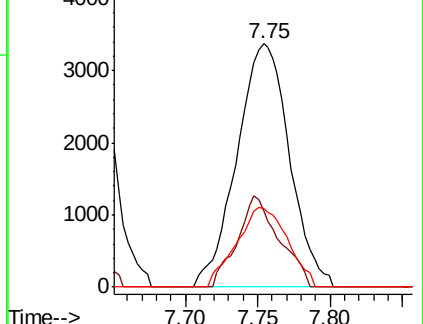
77 31.8 24.1 36.1

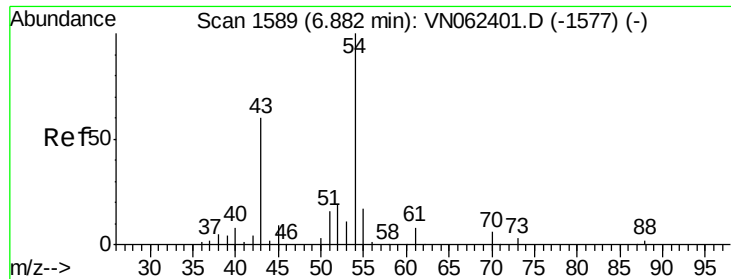


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

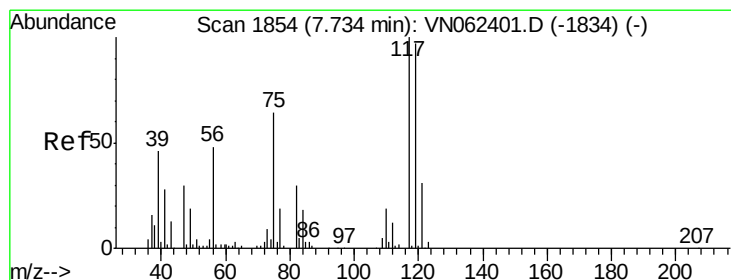
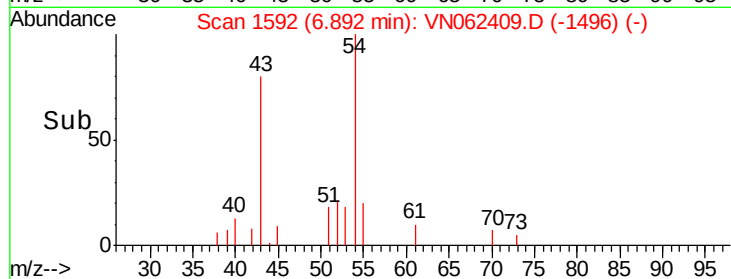
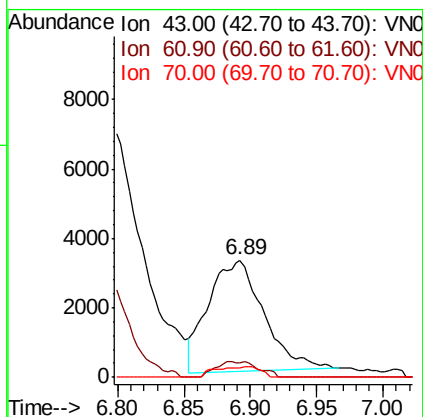
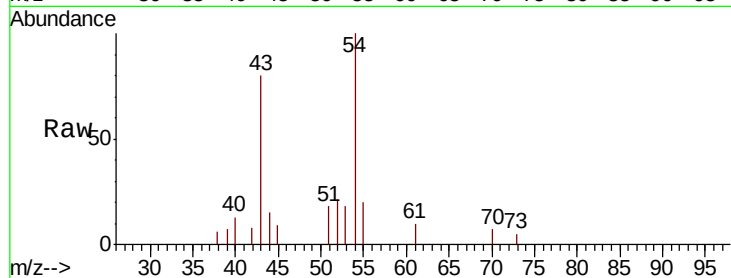




#37
Ethyl Acetate
Concen: 2.399 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

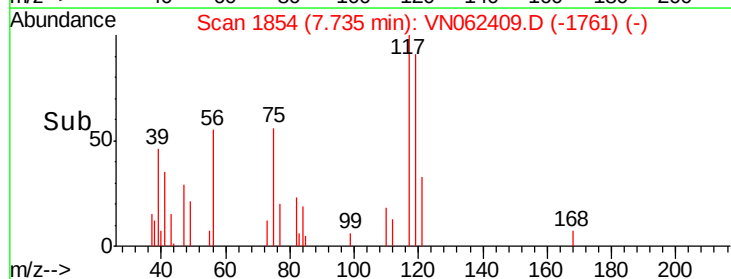
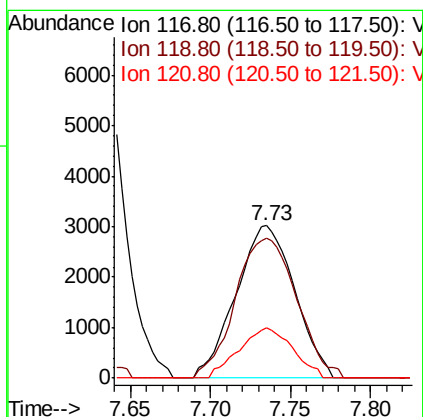
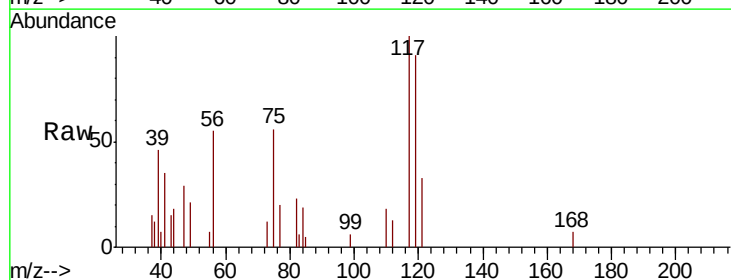
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

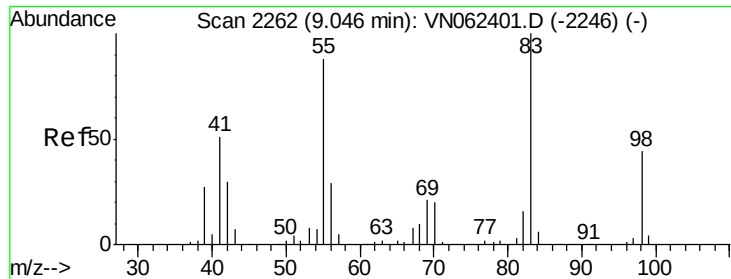
Tot Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
61 5.5 10.7 16.1#
70 7.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 2.552 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 117 Resp: 7615
Ion Ratio Lower Upper
117 100
119 91.5 77.2 115.8
121 32.9 24.8 37.2

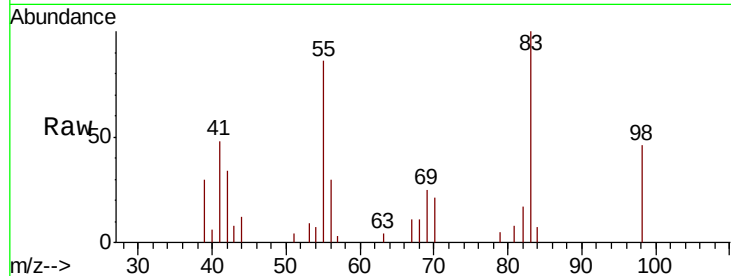




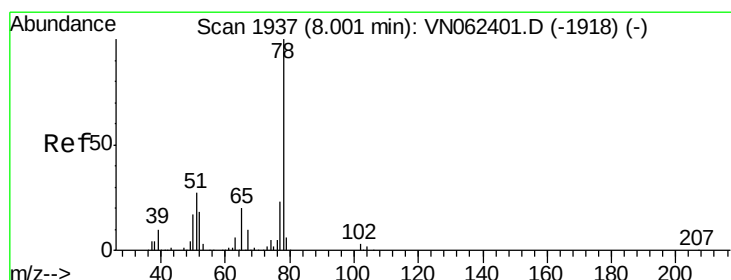
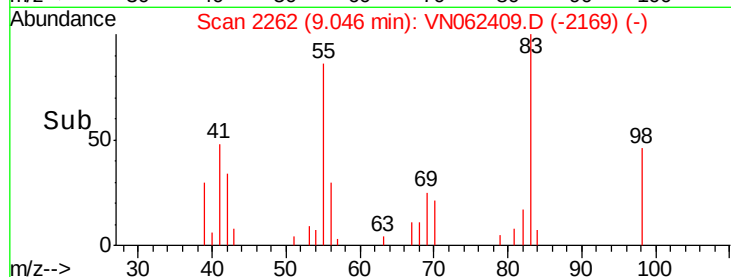
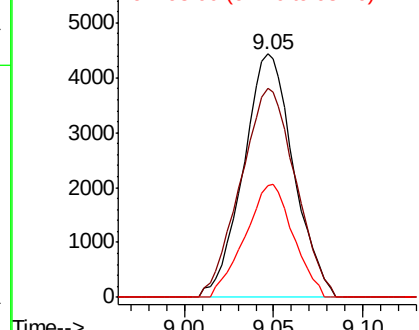
#39
Methvlcvclohexane
Concen: 2.463 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 83 Resp: 8726
Ion Ratio Lower Upper
83 100
55 85.9 70.5 105.7
98 45.9 35.5 53.3

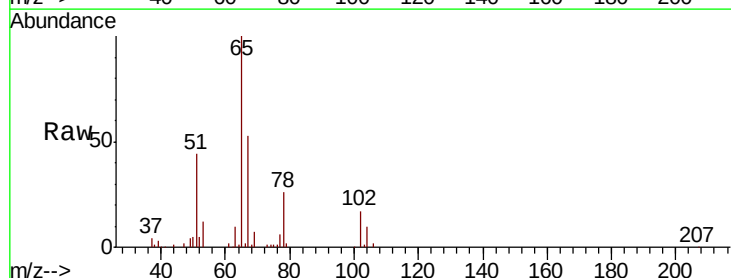


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

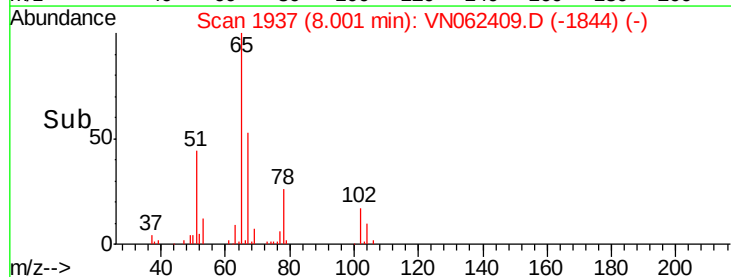
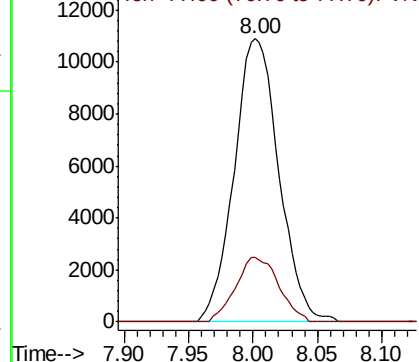


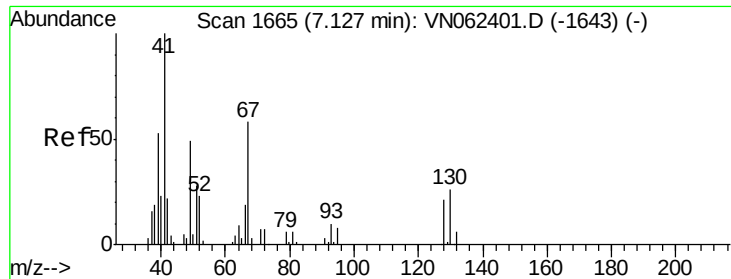
#40
Benzene
Concen: 2.689 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 78 Resp: 26302
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

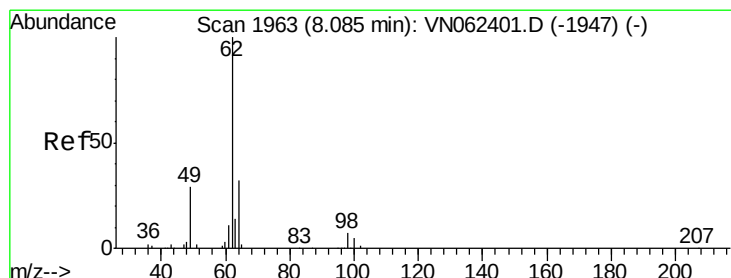
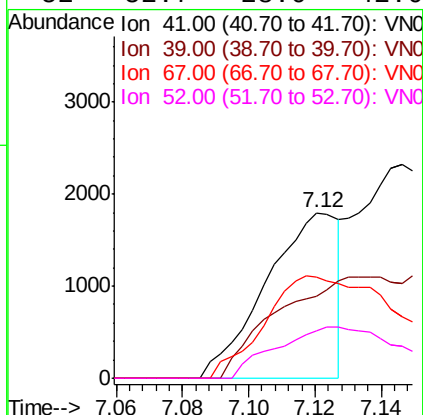
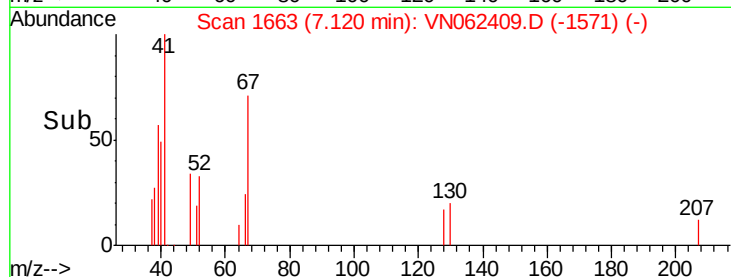
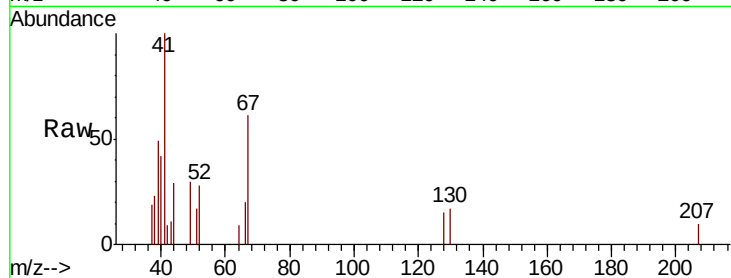




#41
Methacrylonitrile
Concen: 1.692 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

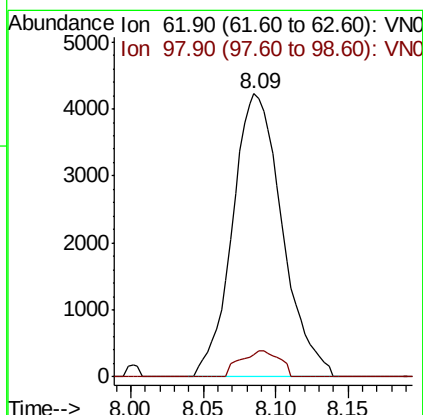
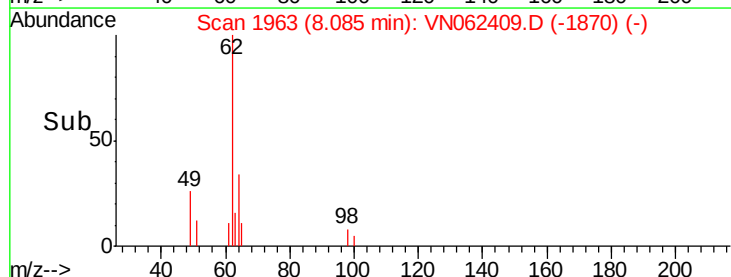
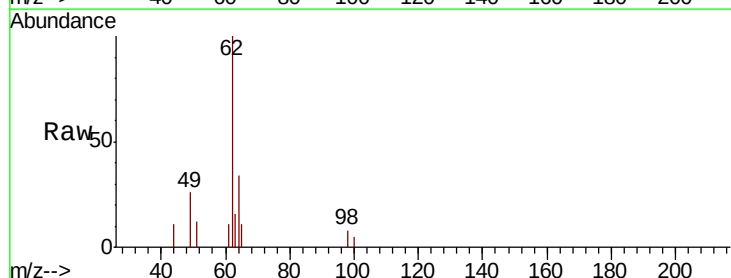
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

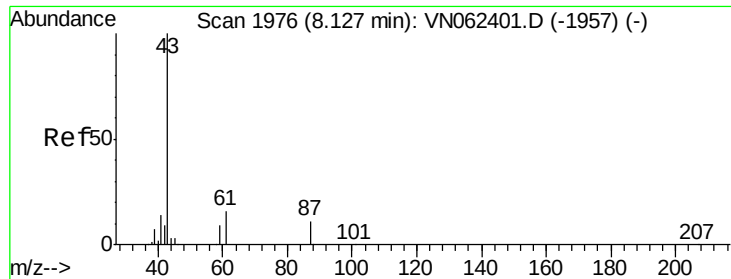
Tot Ion: 41 Resp: 2743
Ion Ratio Lower Upper
41 100
39 100.2 50.2 75.2#
67 118.7 64.2 96.2#
52 52.7 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 2.810 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 62 Resp: 10065
Ion Ratio Lower Upper
62 100
98 7.2 0.0 15.8

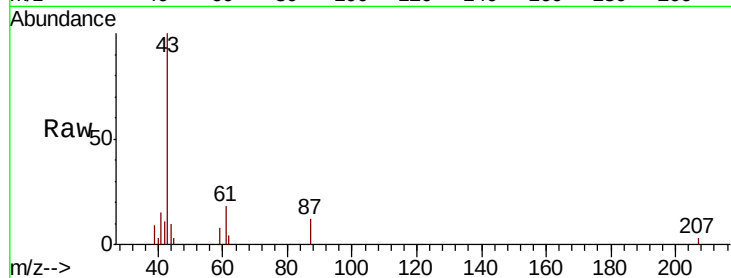




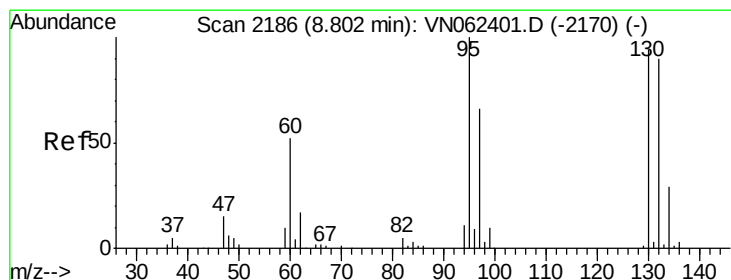
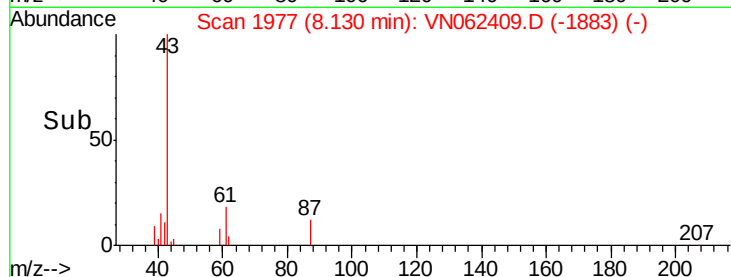
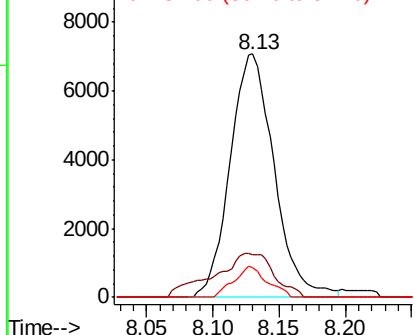
#43
Isopropyl Acetate
Concen: 2.662 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 16322
Ion Ratio Lower Upper
43 100
61 24.6 19.3 28.9
87 9.7 8.6 13.0

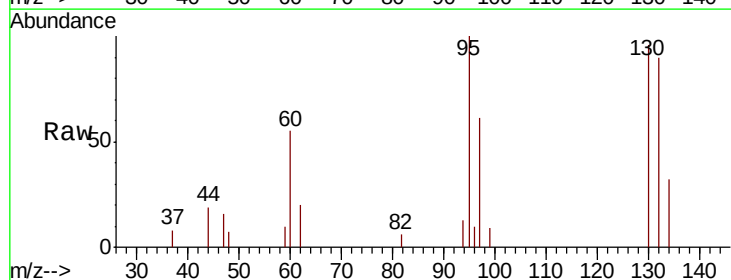


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

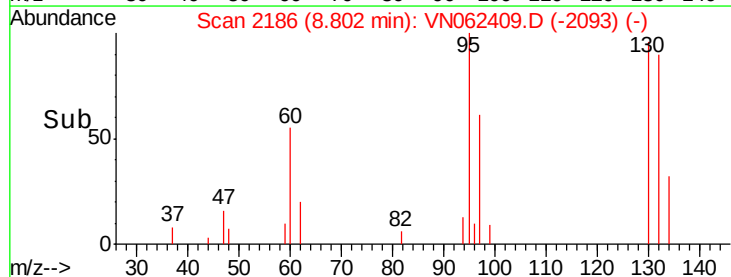
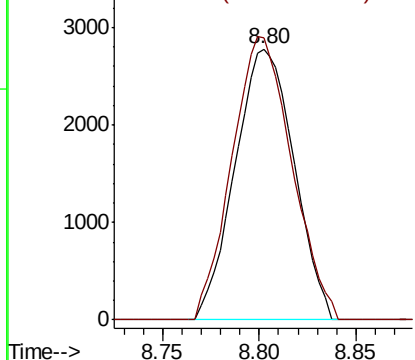


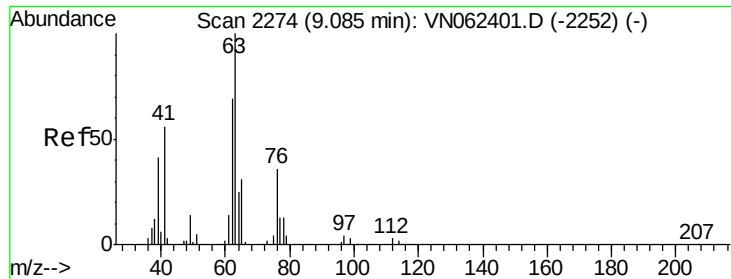
#44
Trichloroethene
Concen: 2.712 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion:130 Resp: 5885
Ion Ratio Lower Upper
130 100
95 104.1 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

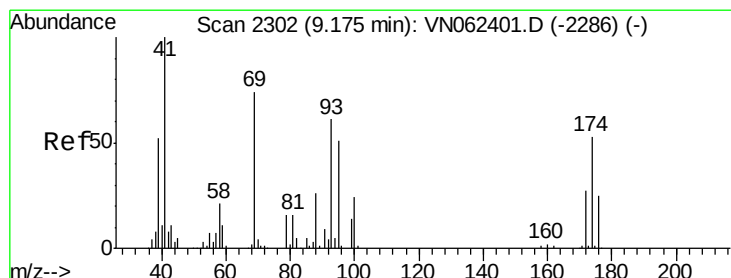
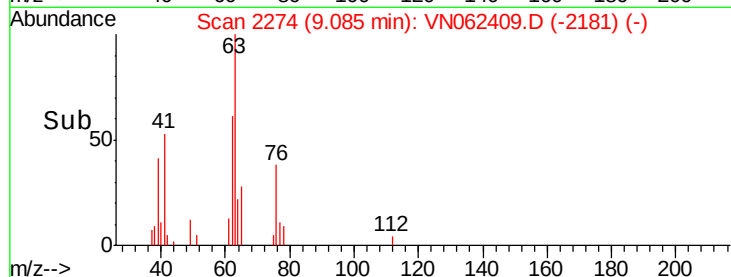
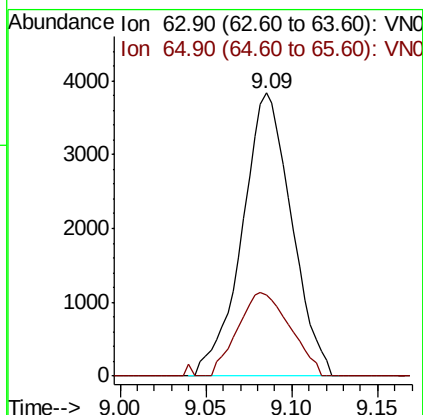
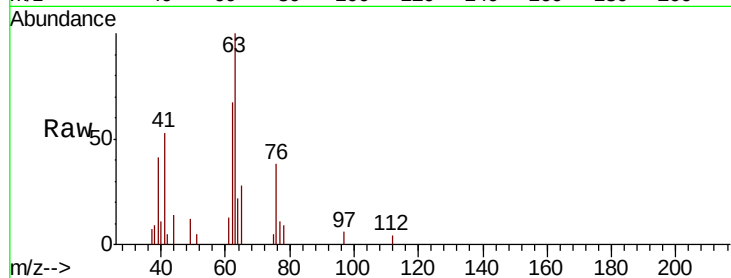




#45
 1,2-Dichloropropane
 Concen: 2.699 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

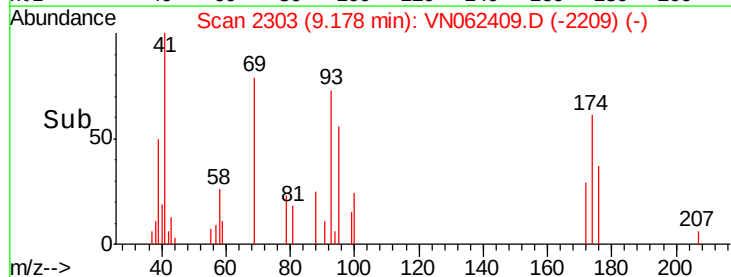
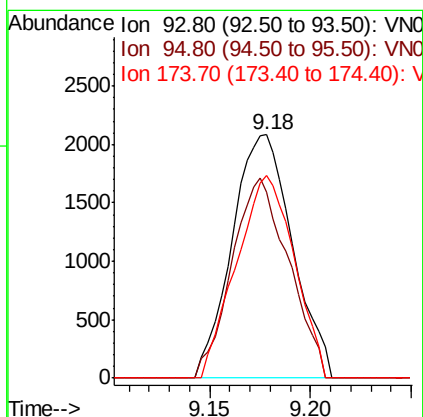
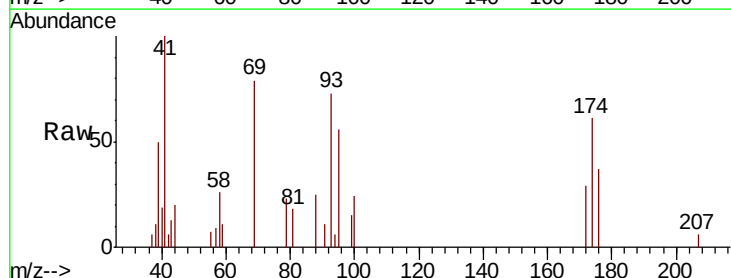
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

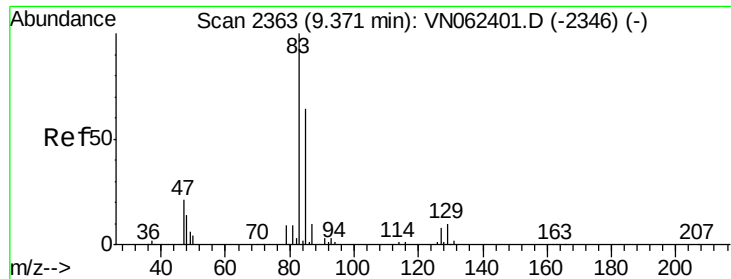
Tot Ion: 63 Resp: 7664
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.6 36.8



#46
 Dibromomethane
 Concen: 2.711 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 93 Resp: 4344
 Ion Ratio Lower Upper
 93 100
 95 77.3 67.1 100.7
 174 79.8 70.4 105.6





#47

Bromodichloromethane

Concen: 2.473 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

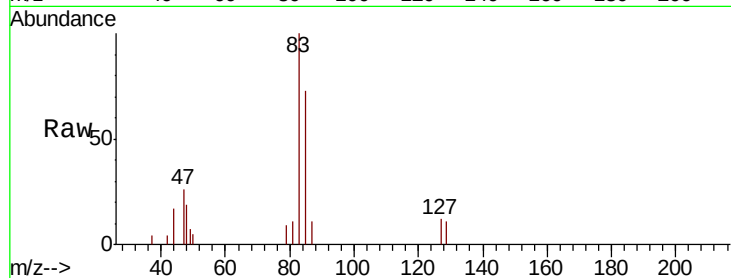
Tot Ion: 83 Resp: 8473

Ion Ratio Lower Upper

83 100

85 73.2 51.2 76.8

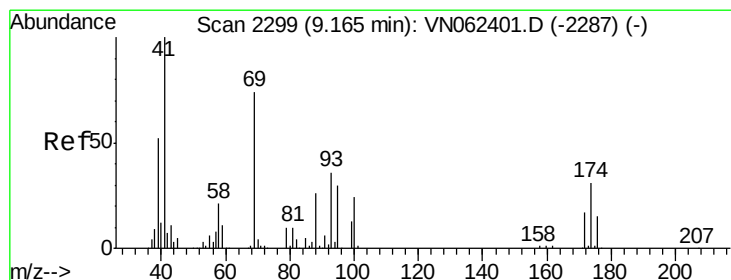
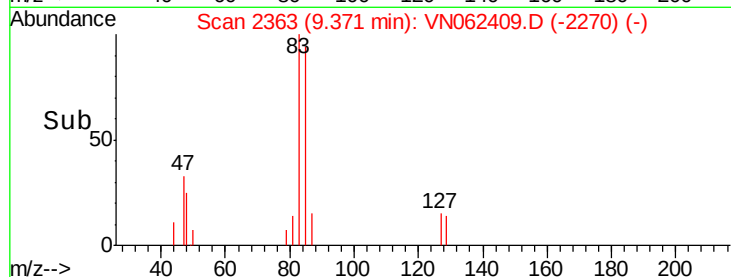
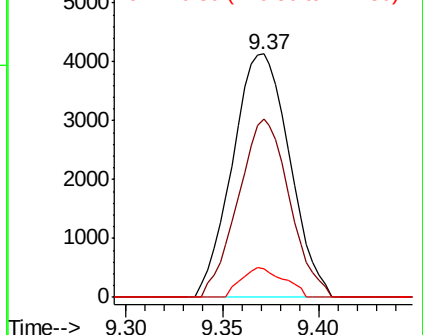
127 11.9 6.2 9.2#



Abundance Ion 82.90 (82.60 to 83.60): VN062409.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062409.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062409.D (-2270) (-)



#48

Methyl methacrylate

Concen: 2.497 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

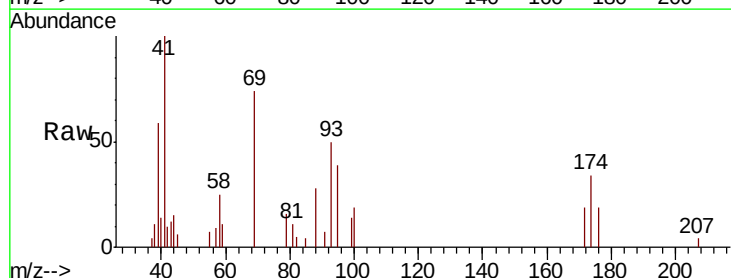
Tgt Ion: 41 Resp: 7509

Ion Ratio Lower Upper

41 100

69 71.0 60.8 91.2

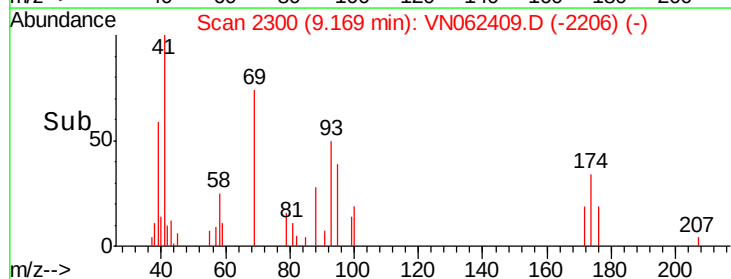
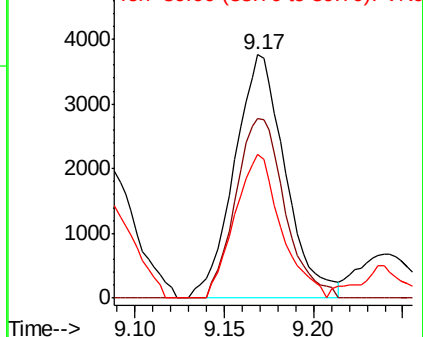
39 53.7 43.5 65.3

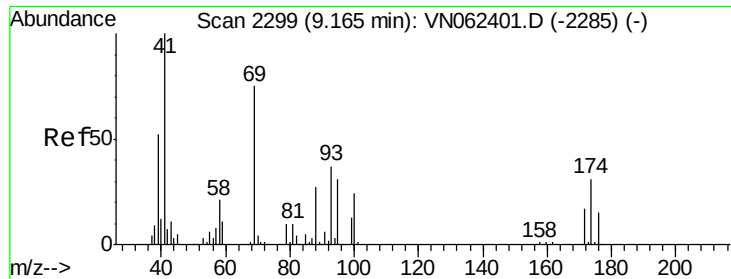


Abundance Ion 41.00 (40.70 to 41.70): VN062409.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062409.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062409.D (-2206) (-)

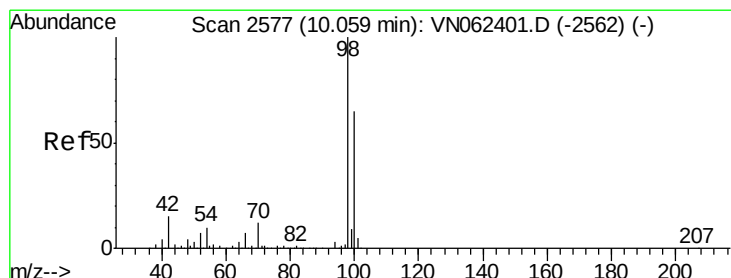
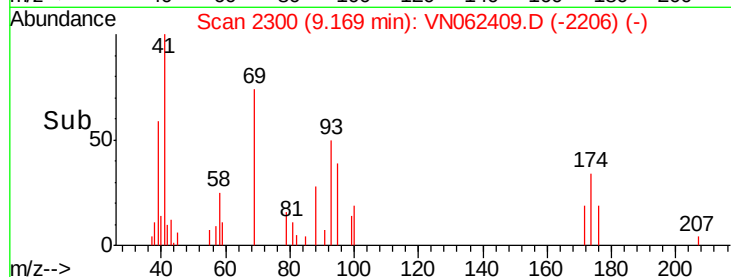
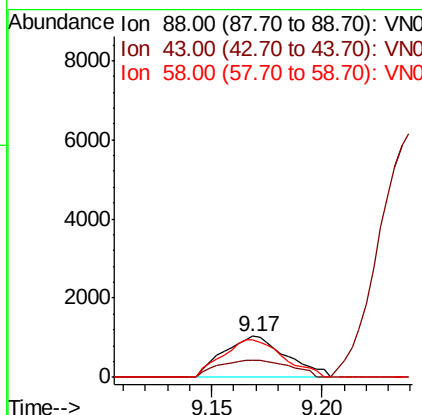
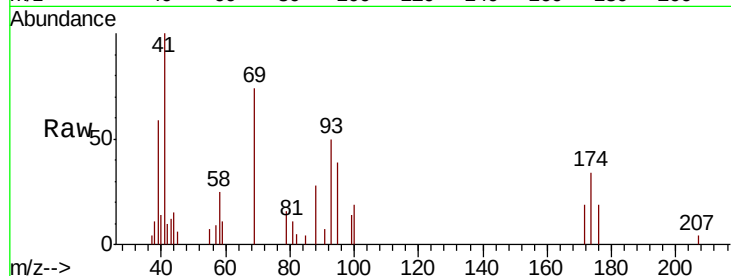




#49
 1,4-Dioxane
 Concen: 46.720 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

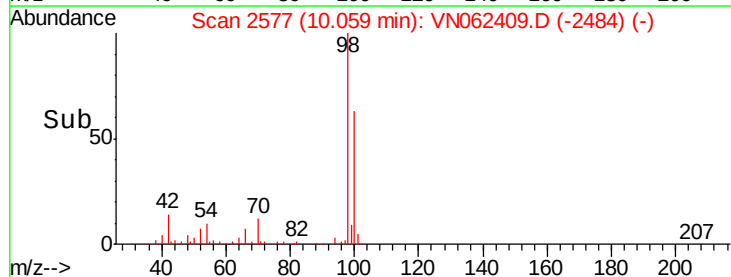
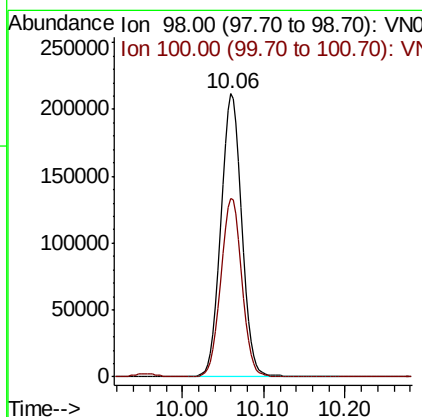
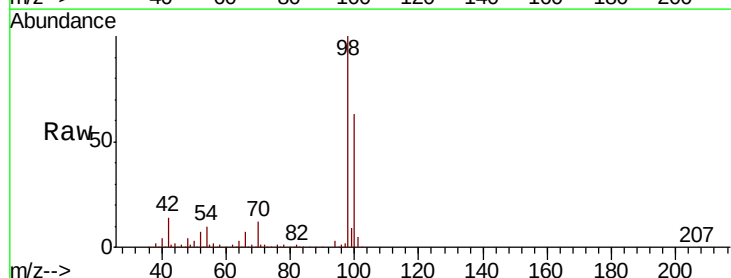
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

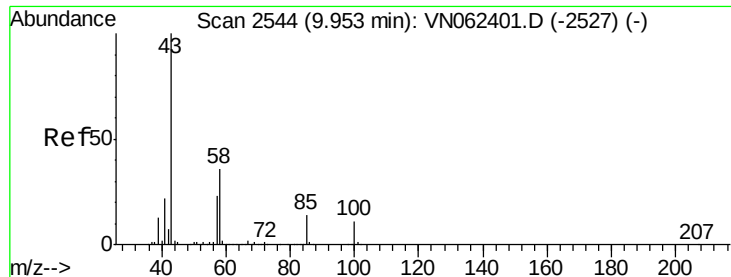
Tot Ion: 88 Resp: 2045
 Ion Ratio Lower Upper
 88 100
 43 48.2 31.0 46.4#
 58 89.2 63.3 94.9



#50
 Toluene-d8
 Concen: 48.044 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 98 Resp: 386213
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 12.445 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

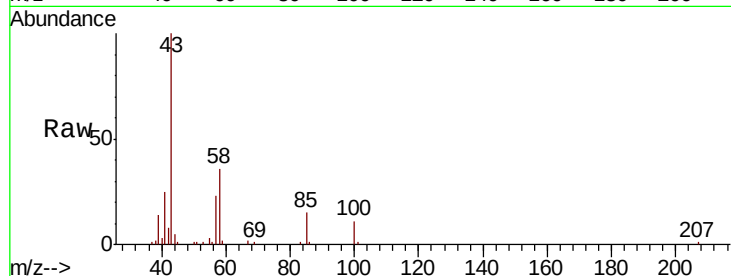
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 45570

Ion Ratio Lower Upper

43 100

58 35.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2527) (-)

9.95

25000

20000

15000

10000

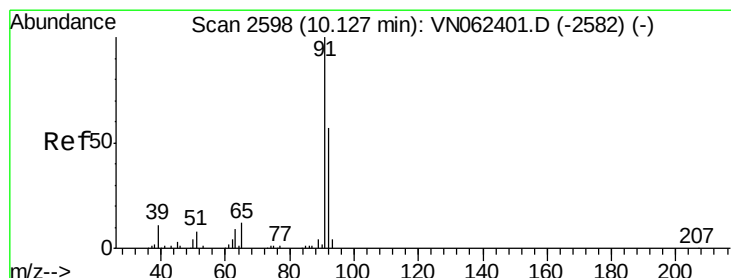
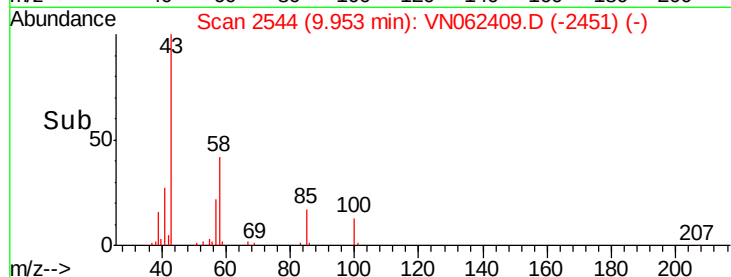
5000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 2.636 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062409.D

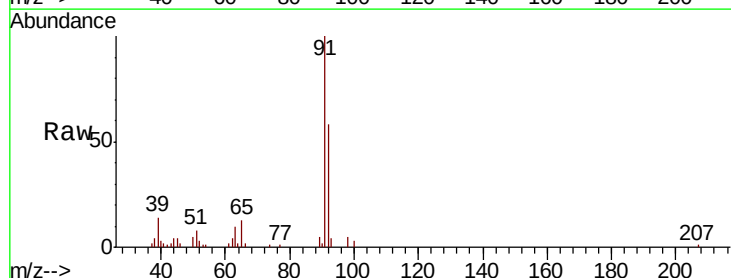
Acq: 8 Jul 2020 15:49

Tgt Ion: 92 Resp: 14896

Ion Ratio Lower Upper

92 100

91 172.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-2582) (-)

10.13

15000

10000

5000

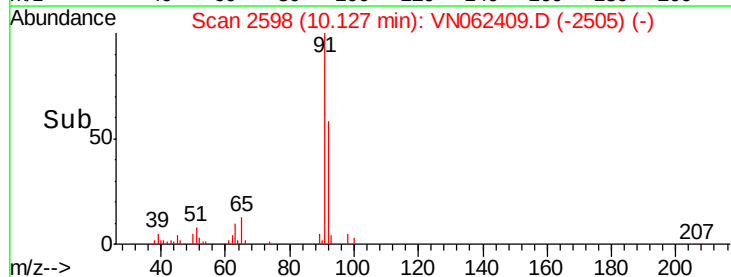
0

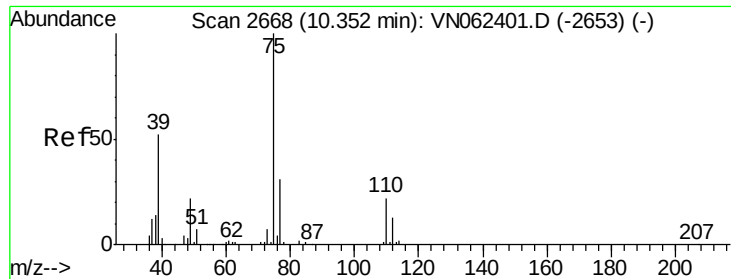
Time-->

10.05

10.10

10.15





#53

t-1,3-Dichloropropene

Concen: 2.419 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

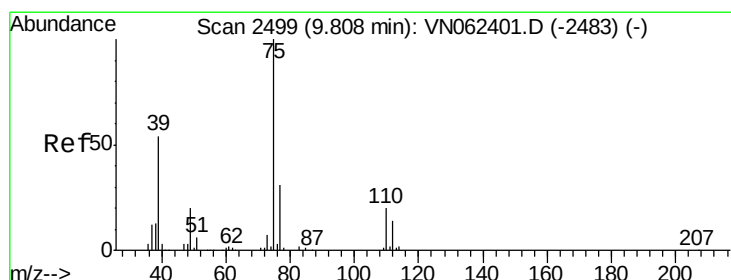
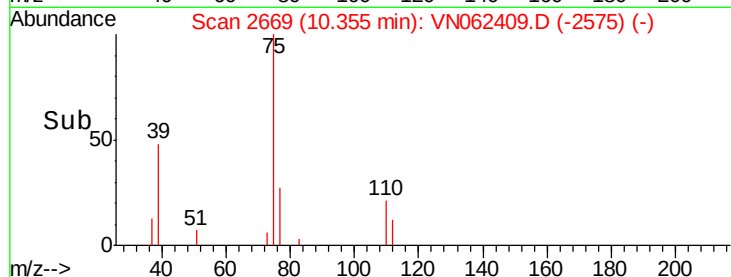
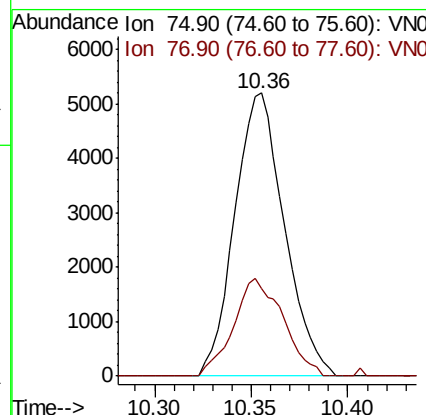
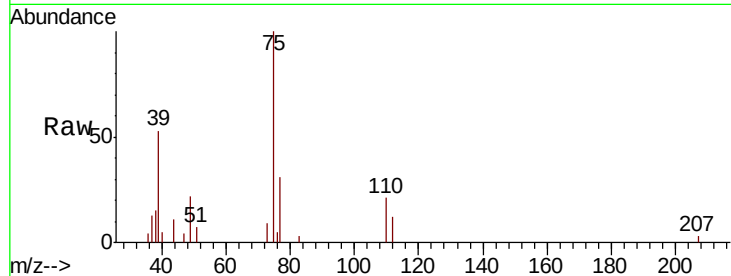
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 9283

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 2.442 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

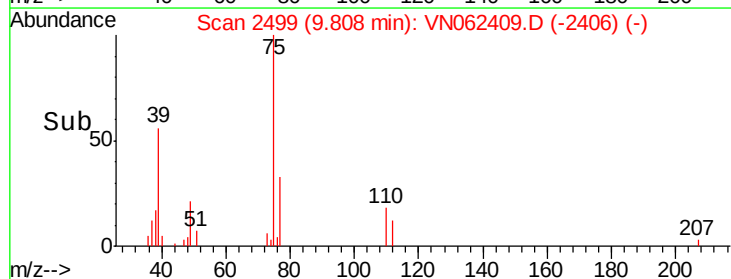
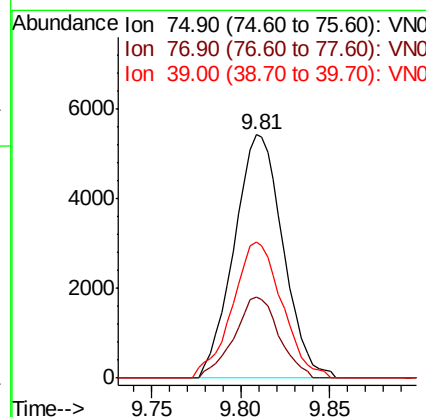
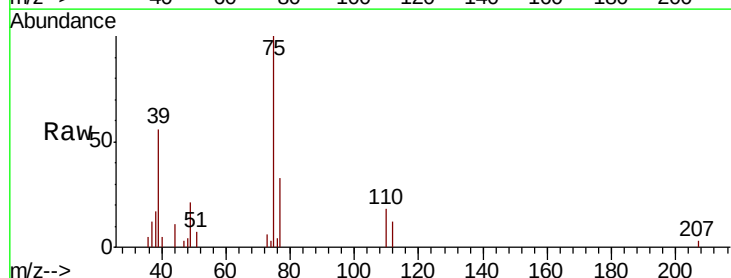
Tgt Ion: 75 Resp: 10342

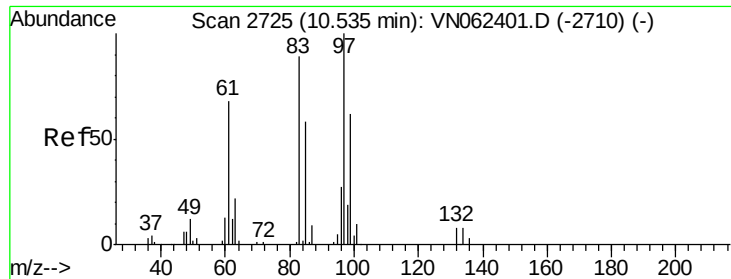
Ion Ratio Lower Upper

75 100

77 33.2 24.5 36.7

39 55.8 43.4 65.0



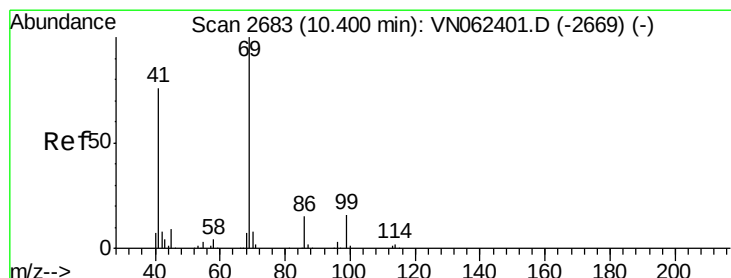
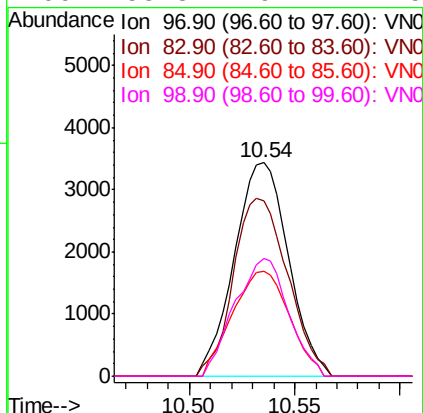
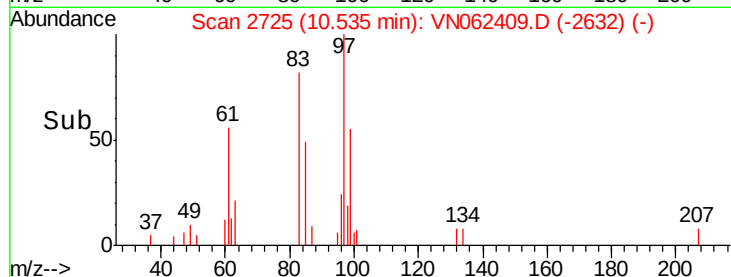
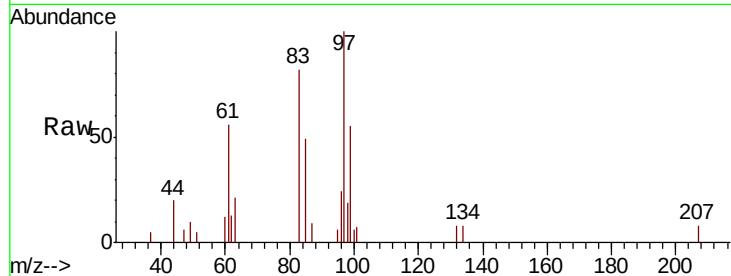


#55
 1,1,2-Trichloroethane
 Concen: 2.763 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion: 97 Resp: 6139

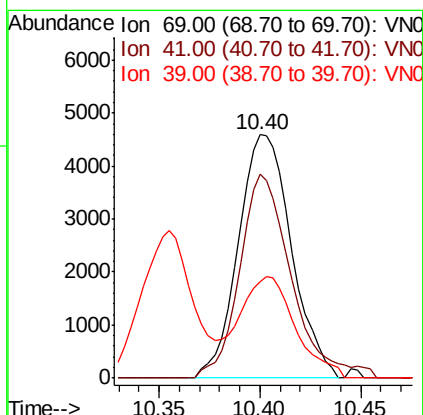
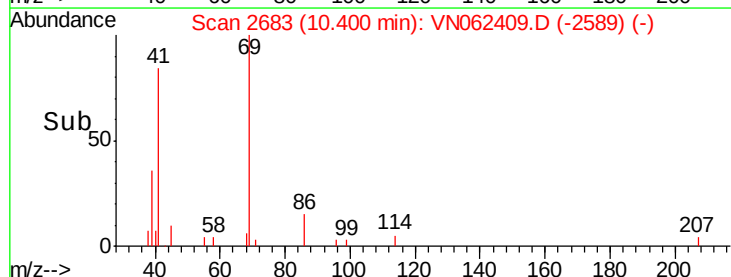
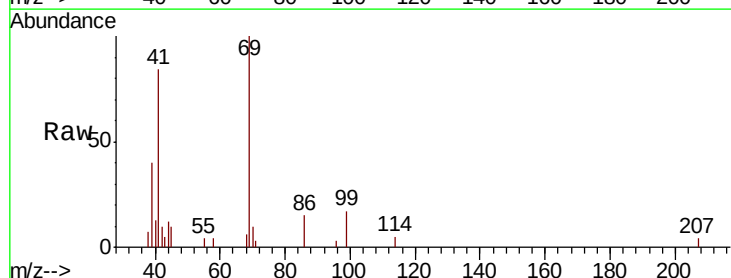
Ion	Ratio	Lower	Upper
97	100		
83	82.1	71.0	106.4
85	49.4	46.2	69.4
99	55.3	49.7	74.5

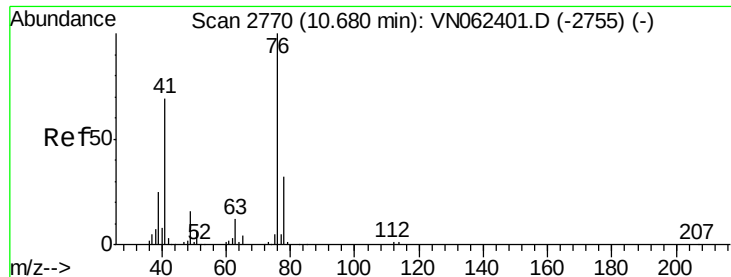


#56
 Ethyl methacrylate
 Concen: 2.273 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 69 Resp: 8442

Ion	Ratio	Lower	Upper
69	100		
41	81.8	59.7	89.5
39	43.5	30.6	45.8





#57

1,3-Dichloropropane

Concen: 2.594 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

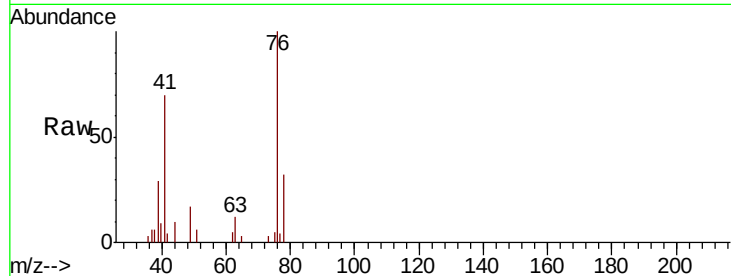
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 10649

Ion Ratio Lower Upper

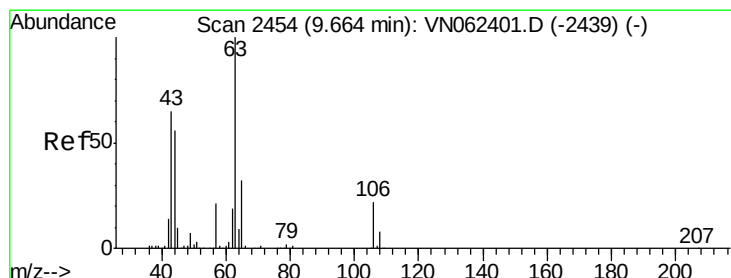
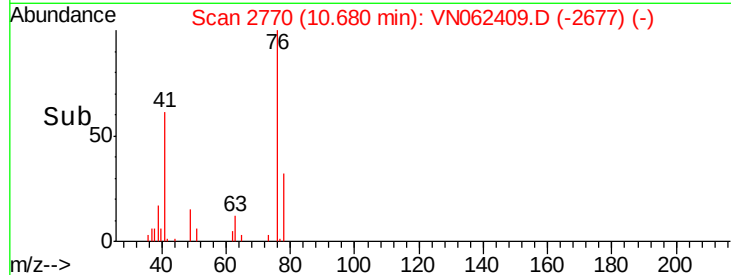
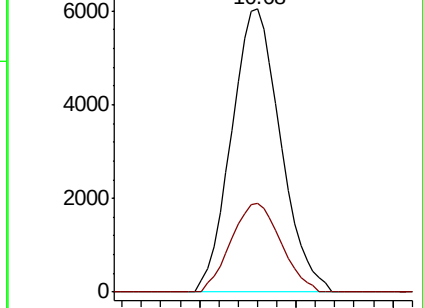
76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN062409.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062409.D (-2677) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 9.734 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062409.D

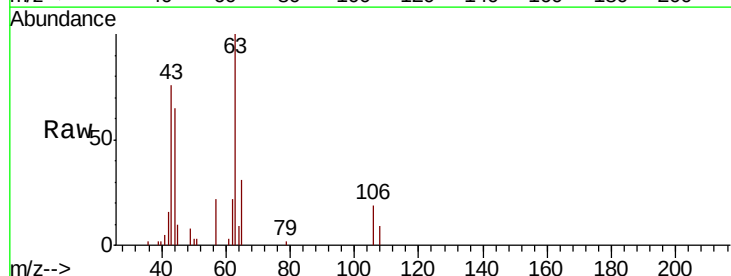
Acq: 8 Jul 2020 15:49

Tgt Ion: 63 Resp: 12832

Ion Ratio Lower Upper

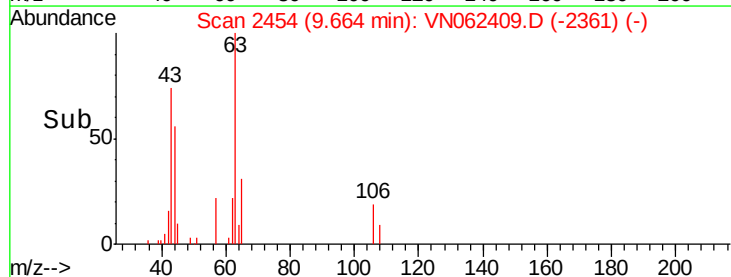
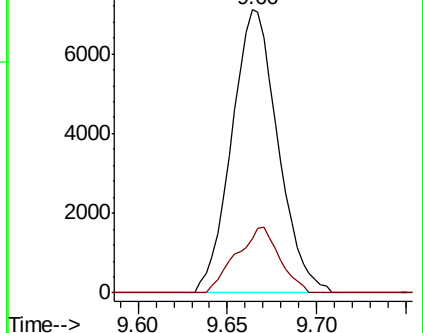
63 100

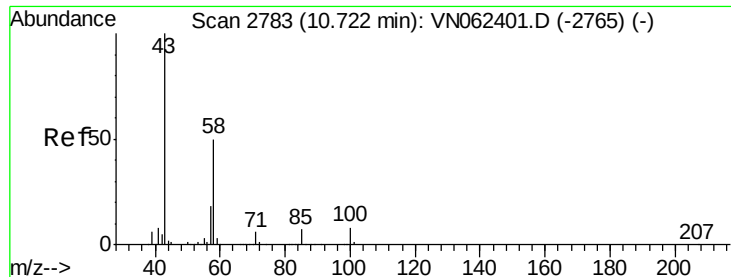
106 21.8 17.6 26.4



Abundance Ion 62.90 (62.60 to 63.60): VN062409.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN062409.D (-2361) (-)

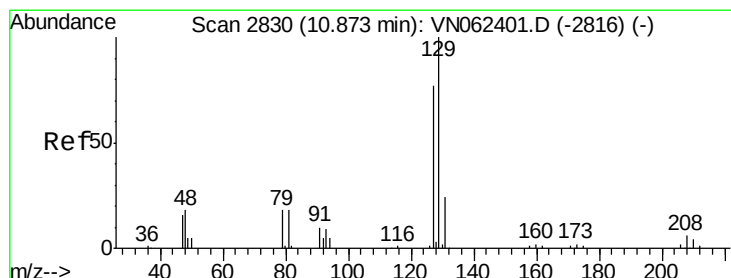
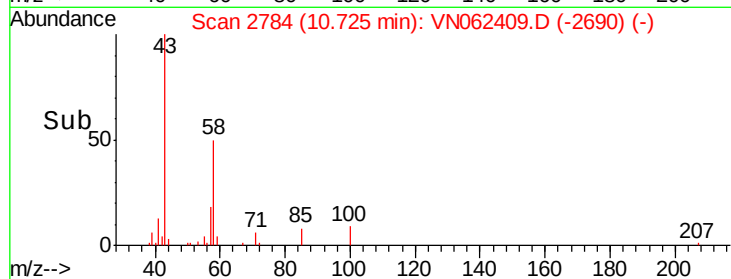
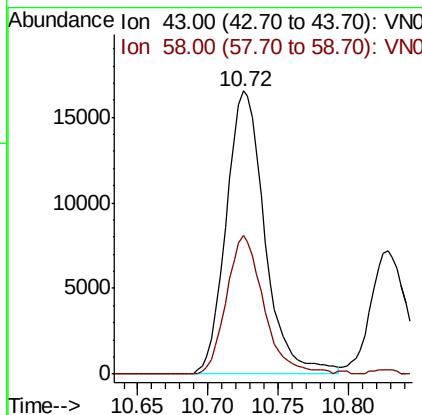
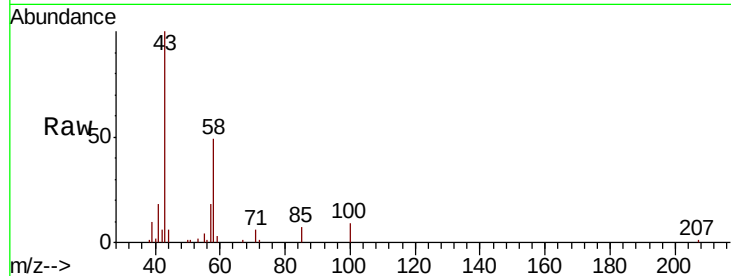




#59
2-Hexanone
Concen: 11.927 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

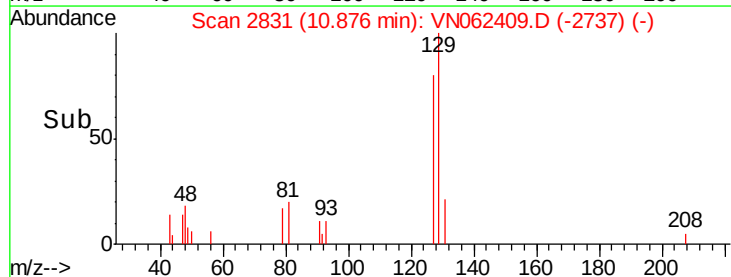
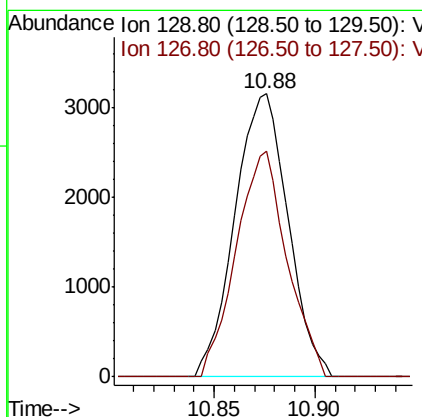
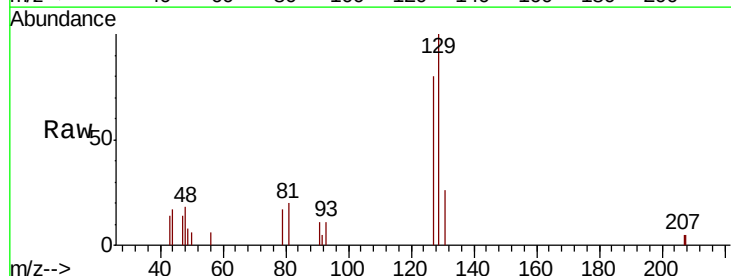
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

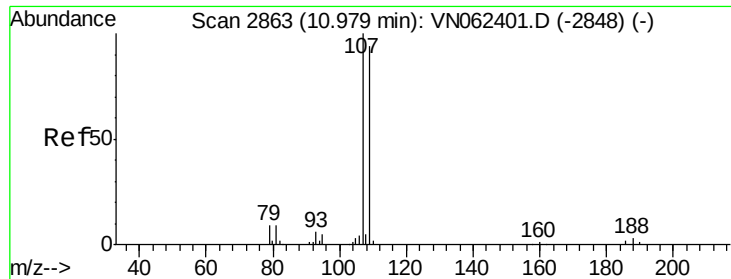
Tot Ion: 43 Resp: 31706
Ion Ratio Lower Upper
43 100
58 47.0 25.1 75.2



#60
Dibromochloromethane
Concen: 2.414 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 129 Resp: 5817
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

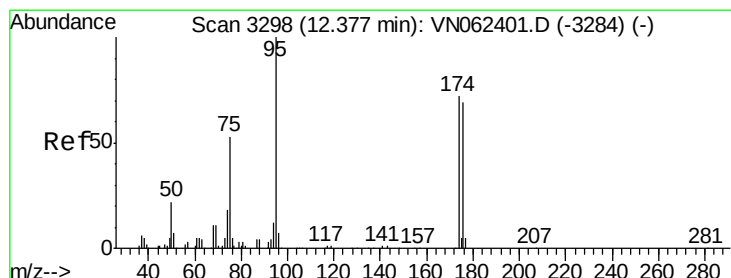
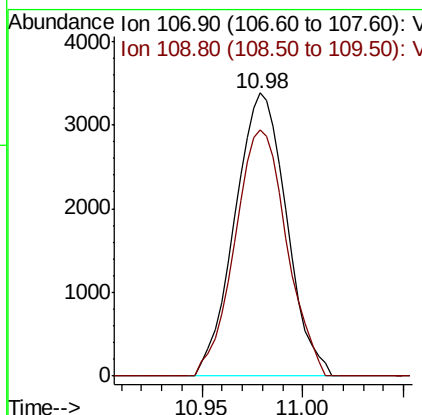
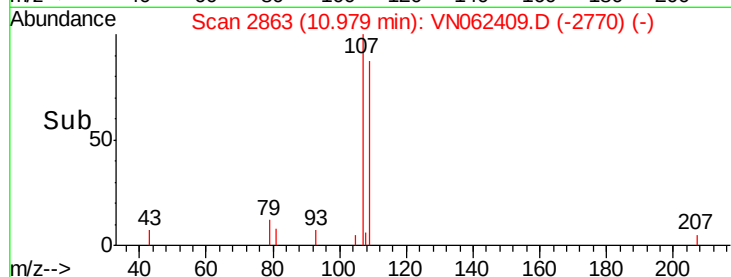
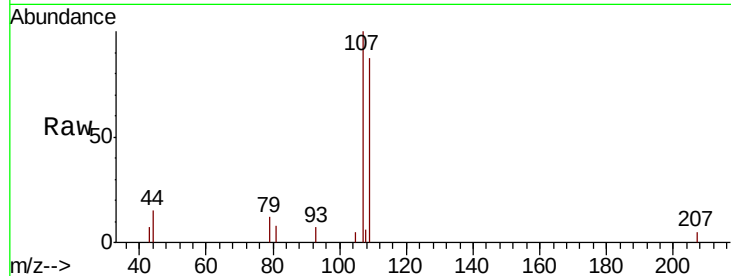




#61
 1,2-Dibromoethane
 Concen: 2.700 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

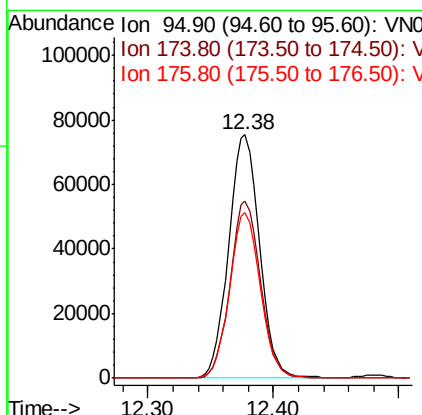
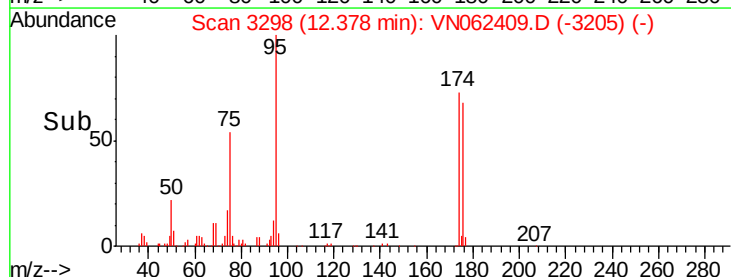
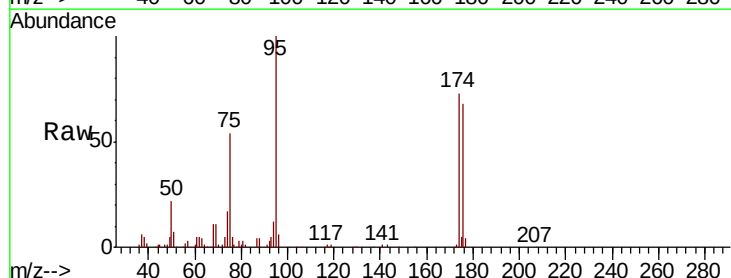
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

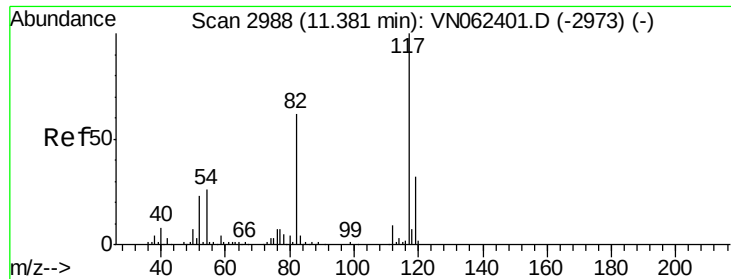
Tot Ion: 107 Resp: 6056
 Ion Ratio Lower Upper
 107 100
 109 87.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 43.923 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 95 Resp: 129027
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 141.6
 176 67.8 0.0 137.2

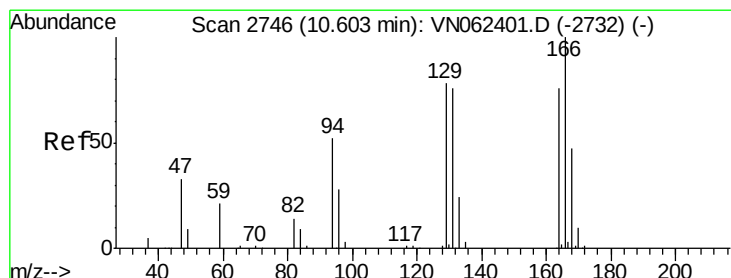
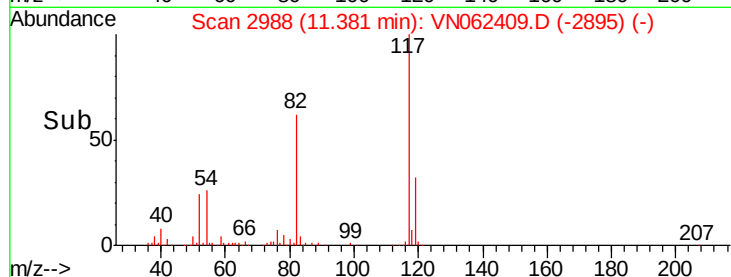
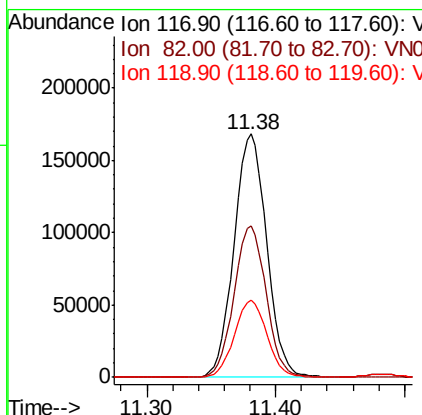
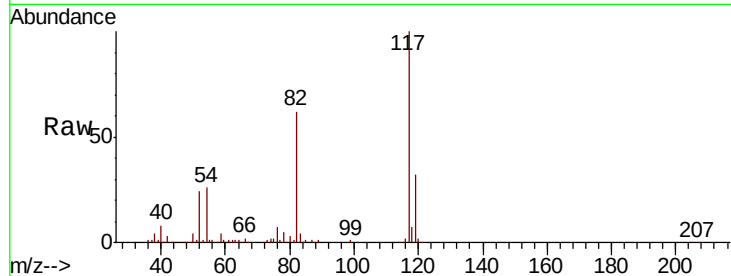




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

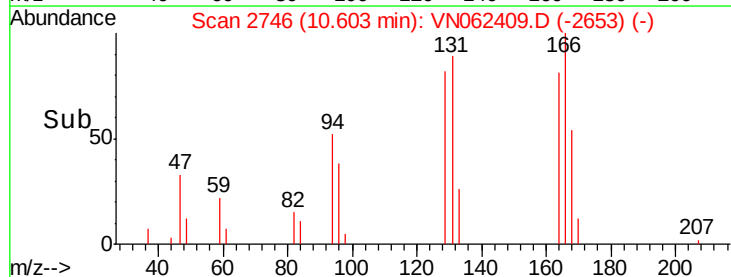
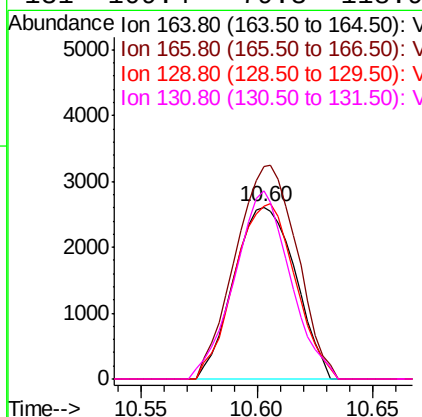
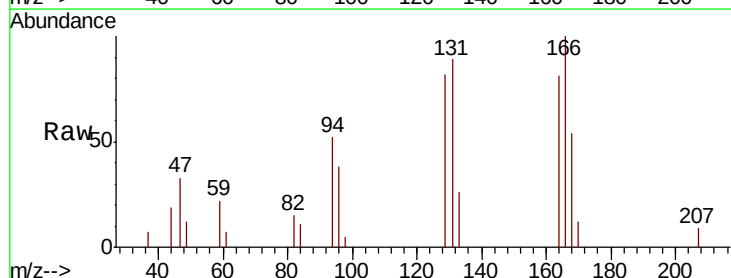
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

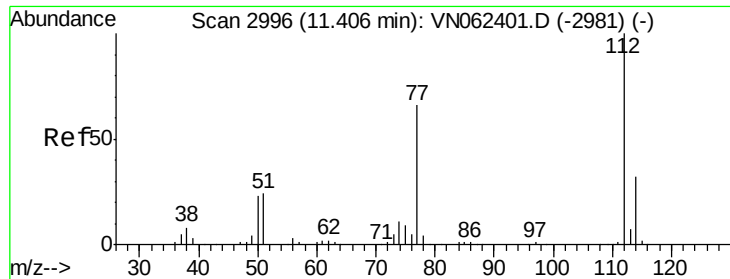
Tot Ion:117 Resp: 296615
Ion Ratio Lower Upper
117 100
82 62.2 49.6 74.4
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 2.740 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion:164 Resp: 4822
Ion Ratio Lower Upper
164 100
166 123.2 104.9 157.3
129 100.5 81.8 122.6
131 109.4 79.3 118.9

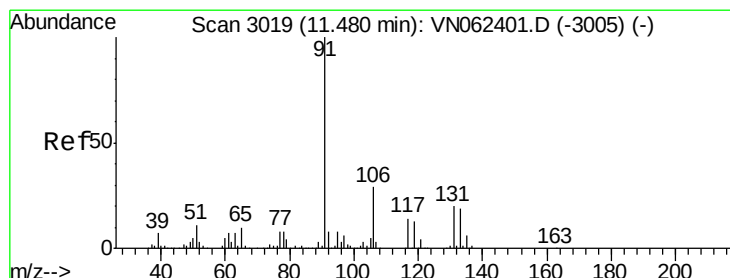
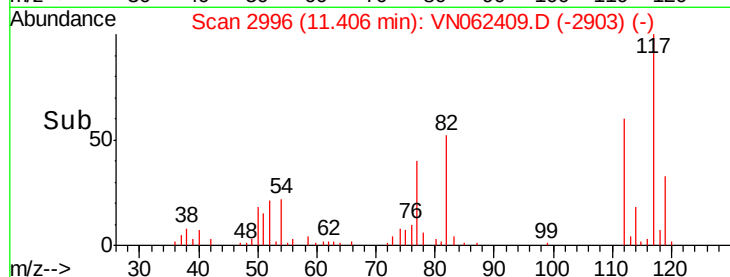
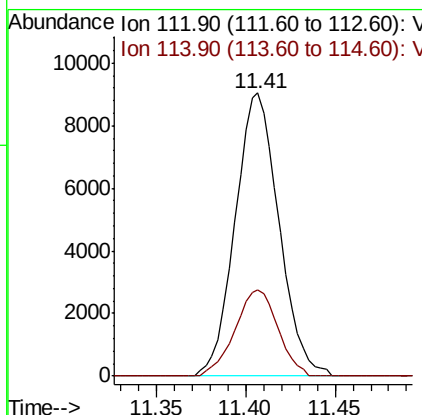
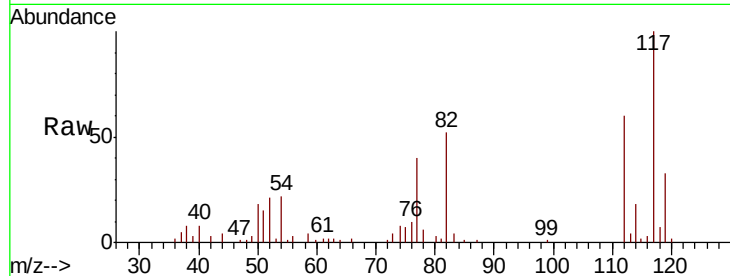




#65
Chlorobenzene
Concen: 2.689 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

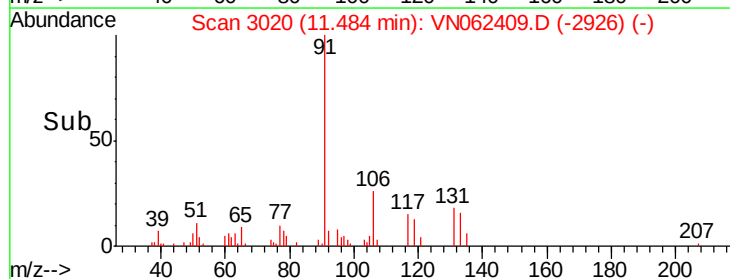
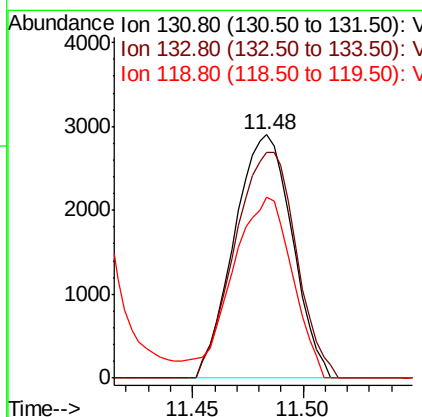
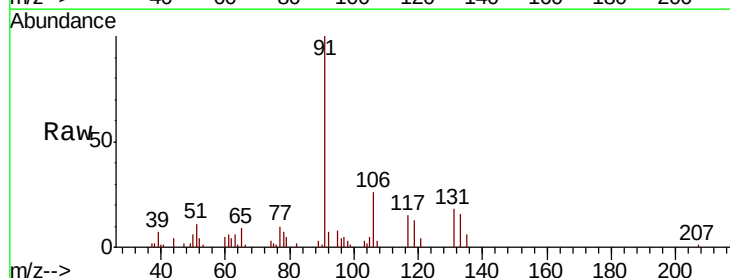
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

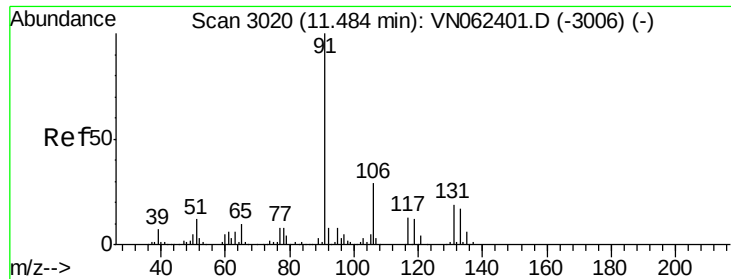
Tot Ion:112 Resp: 15504
Ion Ratio Lower Upper
112 100
114 30.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 2.491 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion:131 Resp: 5296
Ion Ratio Lower Upper
131 100
133 97.9 46.9 140.8
119 76.4 33.2 99.6

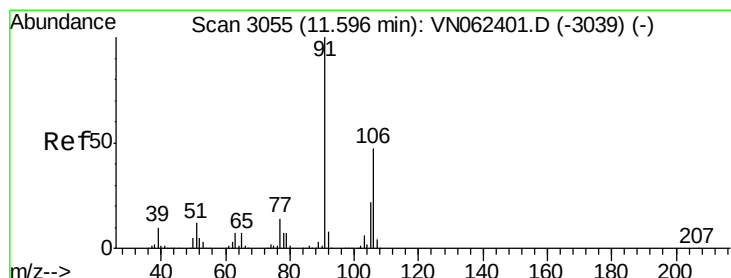
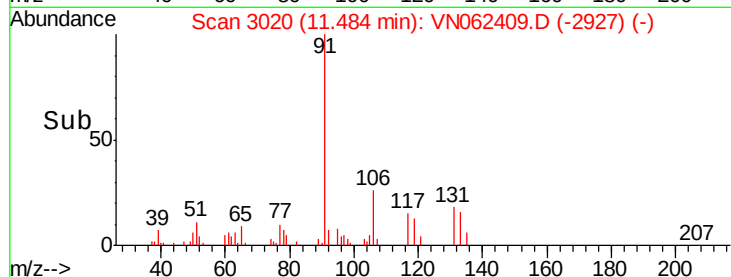
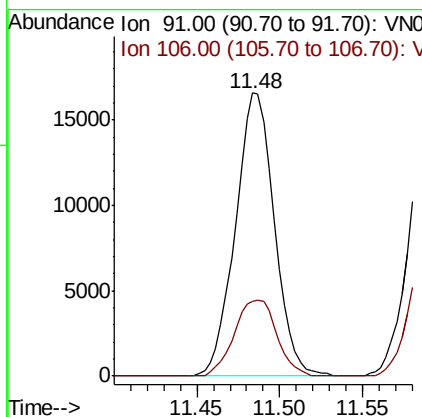
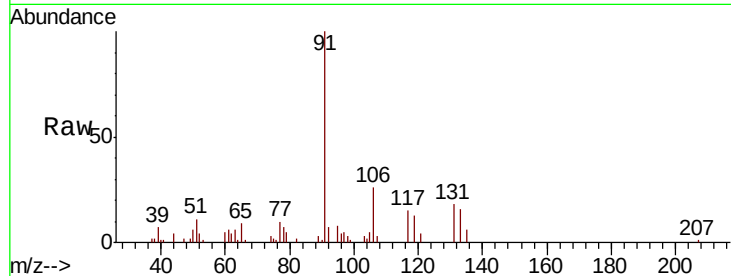




#67
Ethyl Benzene
Concen: 2.507 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

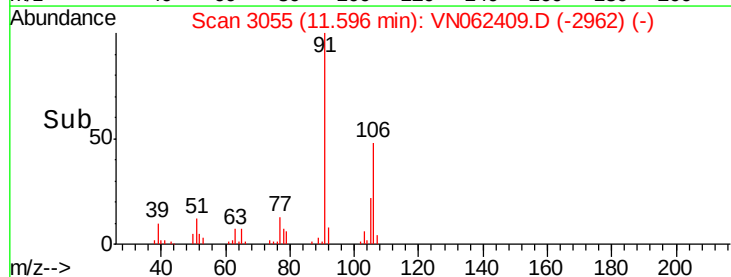
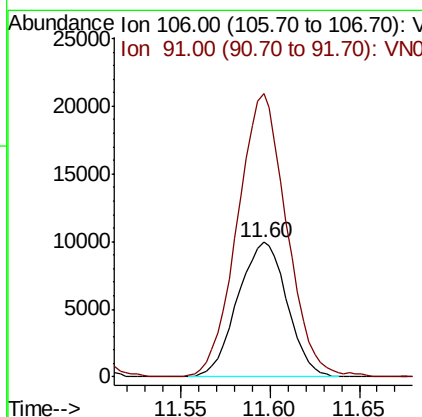
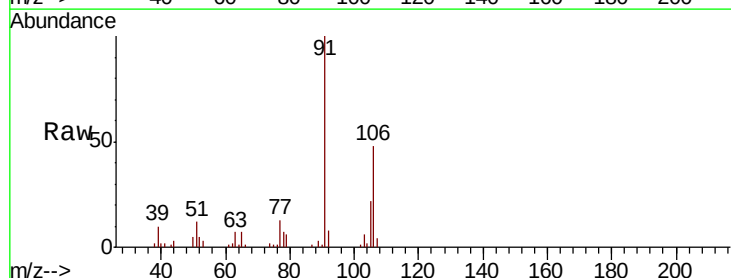
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

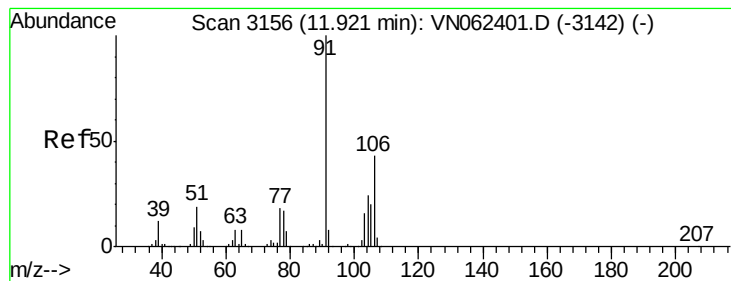
Tot Ion: 91 Resp: 27127
Ion Ratio Lower Upper
91 100
106 26.5 23.4 35.2



#68
m/p-Xylenes
Concen: 5.011 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 106 Resp: 19194
Ion Ratio Lower Upper
106 100
91 210.3 172.4 258.6





#69

o-Xylene

Concen: 2.448 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

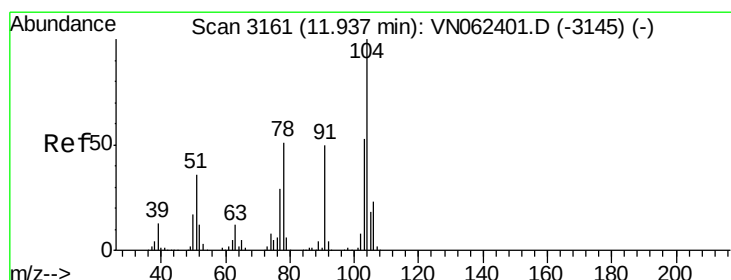
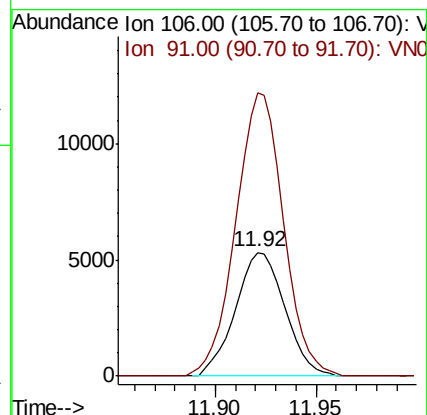
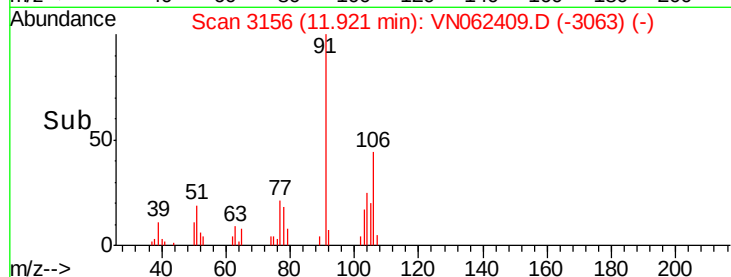
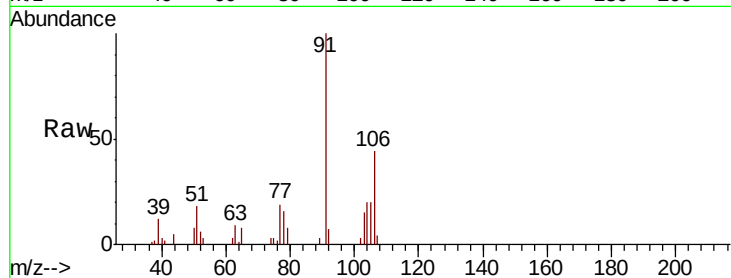
LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 9130

Ion Ratio Lower Upper

106 100

91 221.1 113.8 341.4



#70

Styrene

Concen: 2.303 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

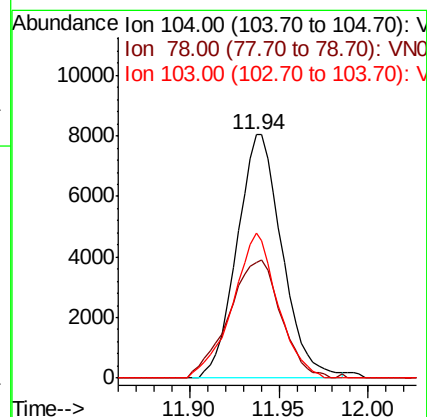
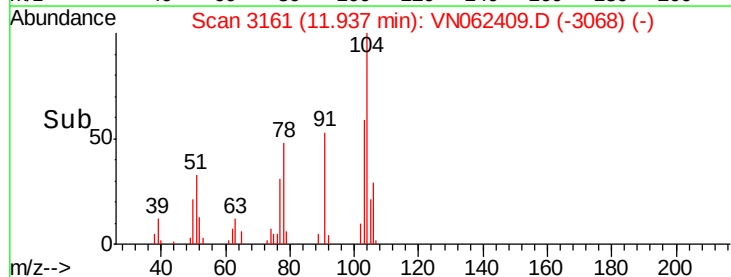
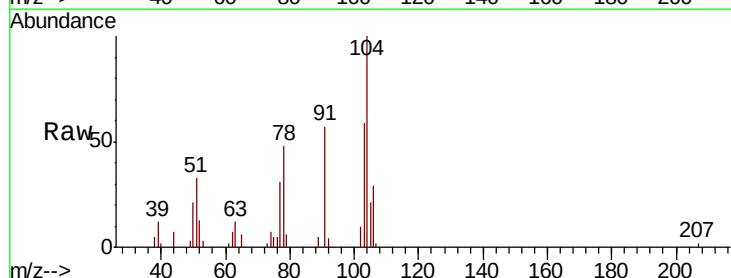
Tgt Ion:104 Resp: 14196

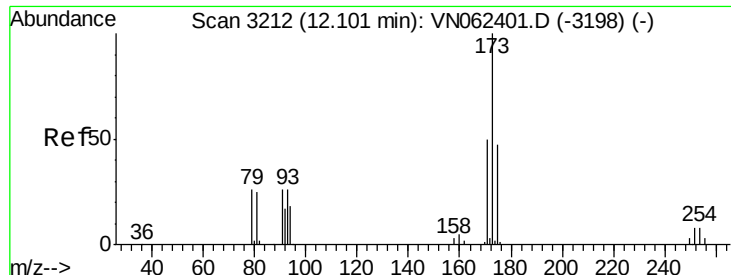
Ion Ratio Lower Upper

104 100

78 55.9 44.2 66.4

103 59.4 44.4 66.6





#71

Bromoform

Concen: 2.429 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

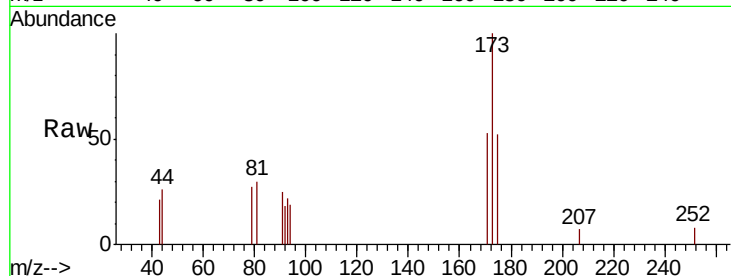
Tot Ion:173 Resp: 3785

Ion Ratio Lower Upper

173 100

175 52.7 23.7 71.1

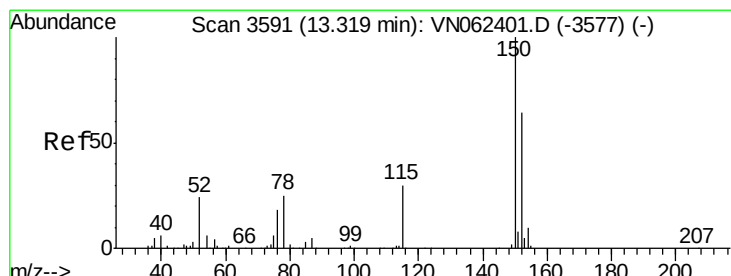
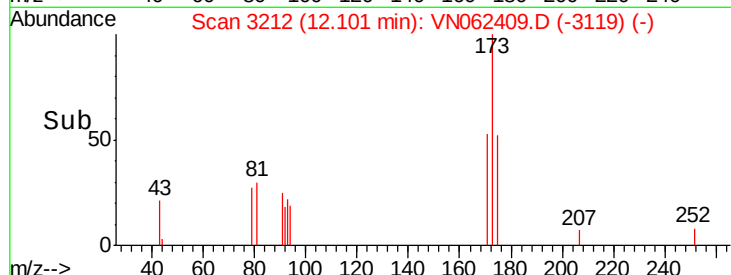
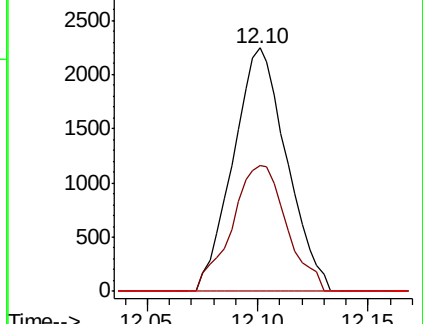
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

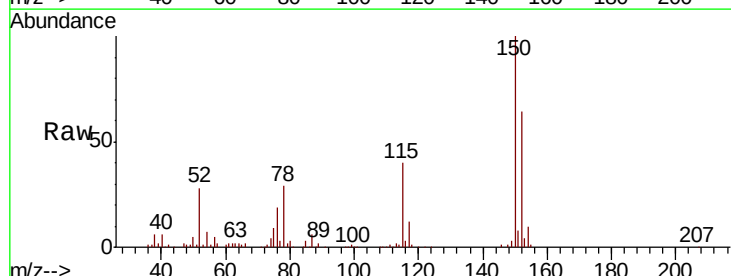
Tgt Ion:152 Resp: 114650

Ion Ratio Lower Upper

152 100

115 62.3 31.4 94.2

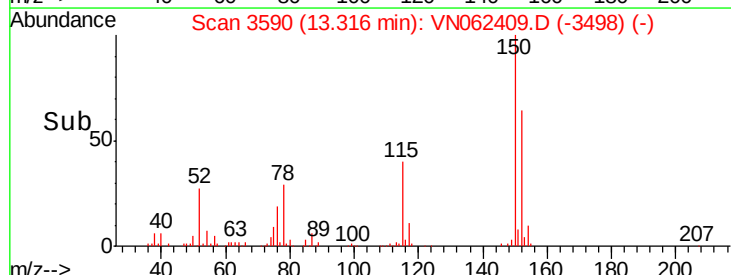
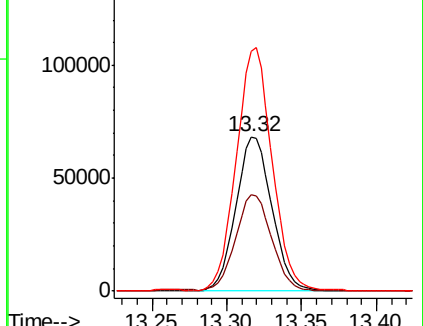
150 157.8 0.0 347.4

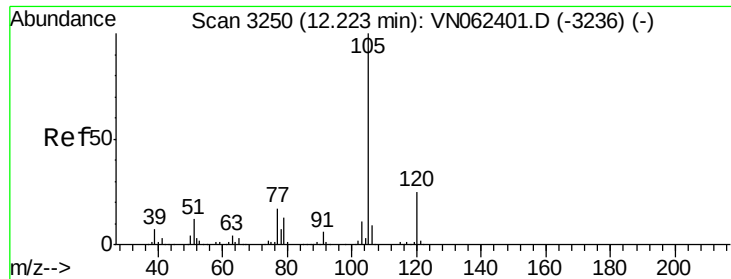


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

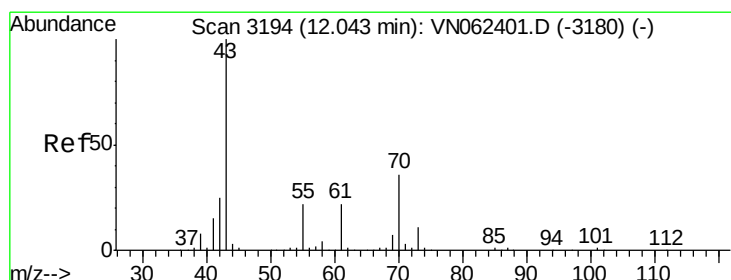
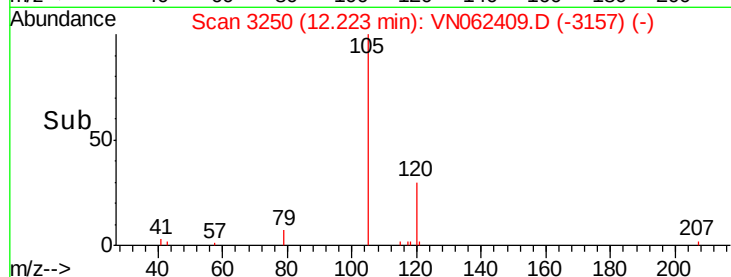
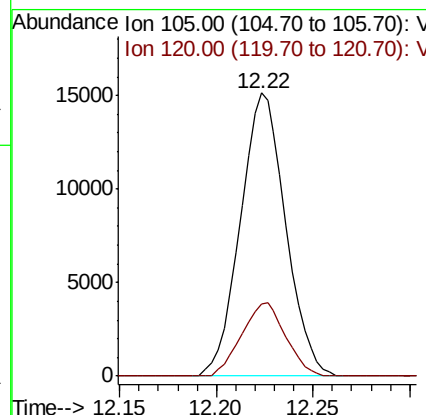
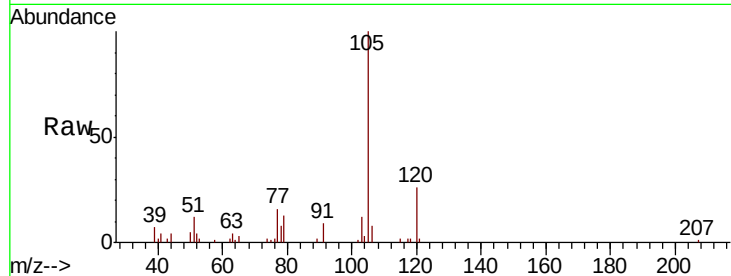




#73
Isopropylbenzene
Concen: 2.768 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

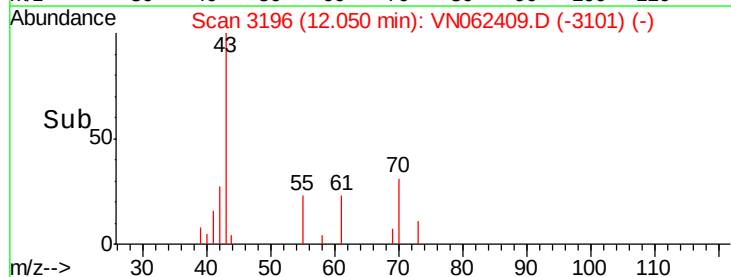
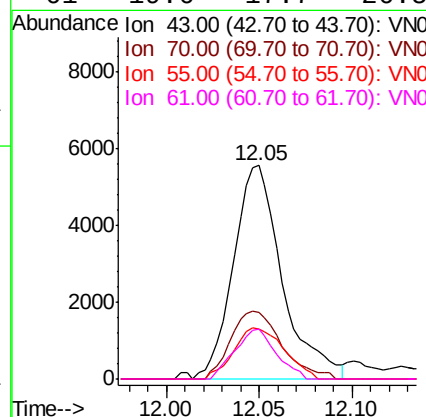
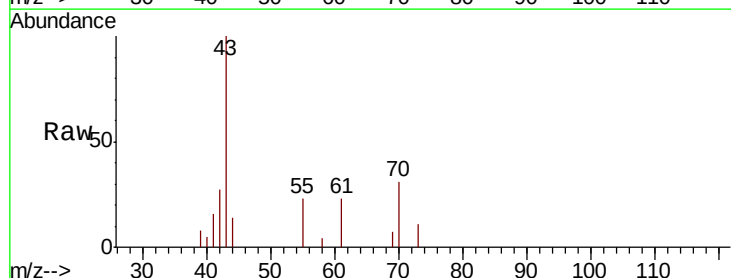
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

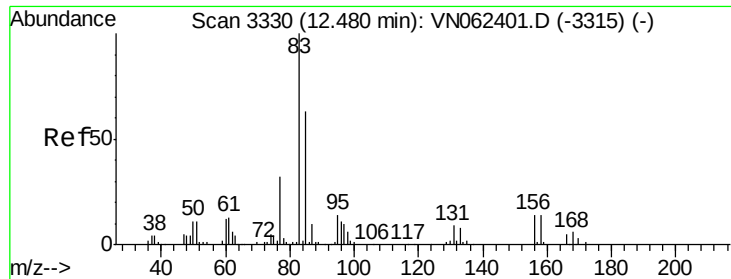
Tot Ion:105 Resp: 24561
Ion Ratio Lower Upper
105 100
120 25.2 12.7 38.1



#74
N-ethyl acetate
Concen: 2.359 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 43 Resp: 10186
Ion Ratio Lower Upper
43 100
70 33.1 30.0 45.0
55 24.6 18.2 27.4
61 19.6 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 3.071 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

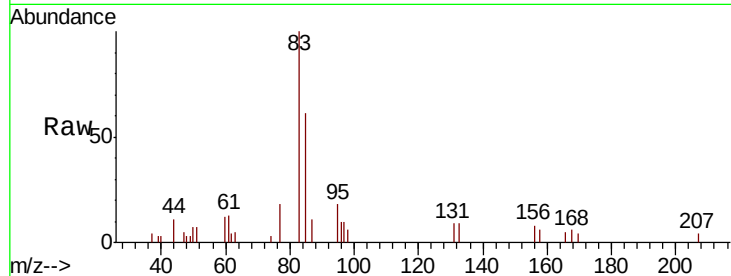
Tot Ion: 83 Resp: 9162

Ion Ratio Lower Upper

83 100

131 6.9 4.5 13.5

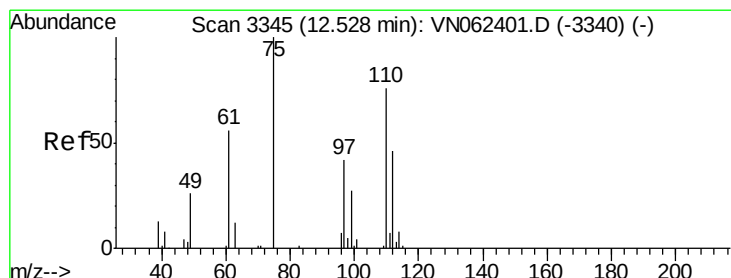
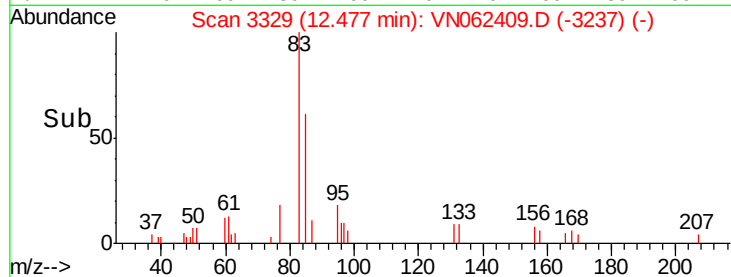
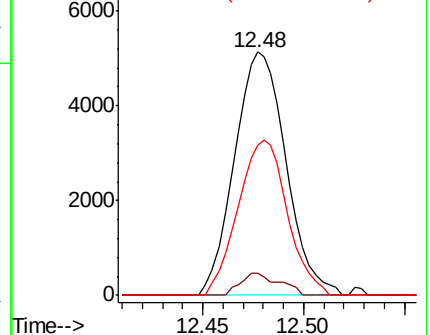
85 61.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 4.094 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062409.D

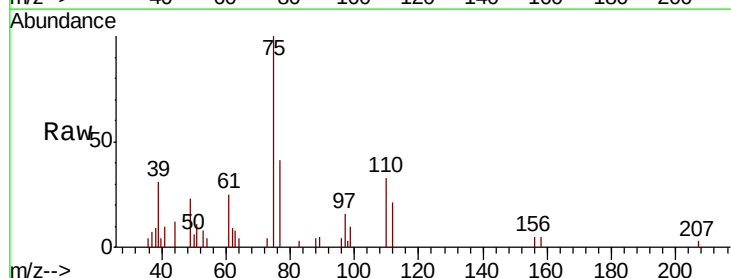
Acq: 8 Jul 2020 15:49

Tgt Ion: 75 Resp: 11517

Ion Ratio Lower Upper

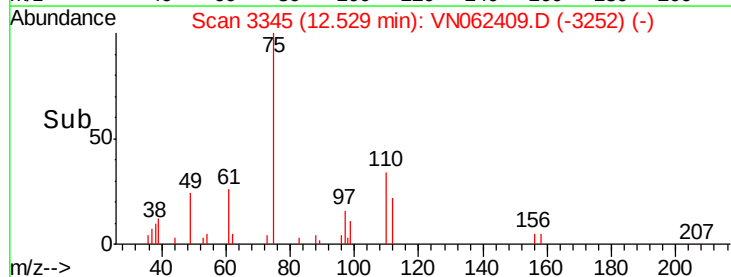
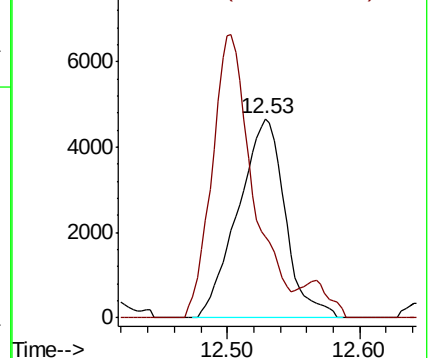
75 100

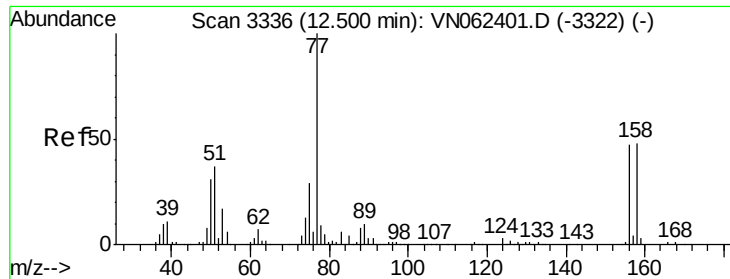
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 2.939 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

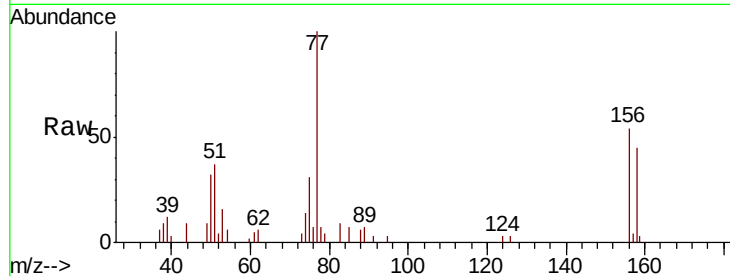
Tot Ion:156 Resp: 5927

Ion Ratio Lower Upper

156 100

77 237.8 126.4 379.3

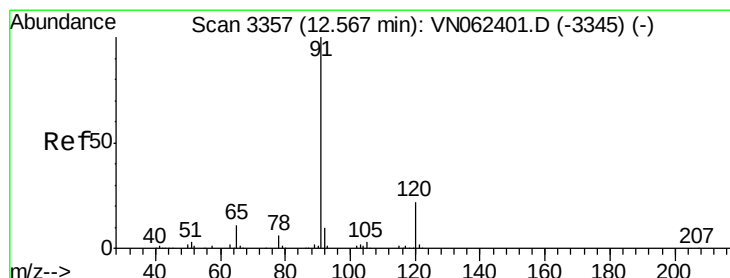
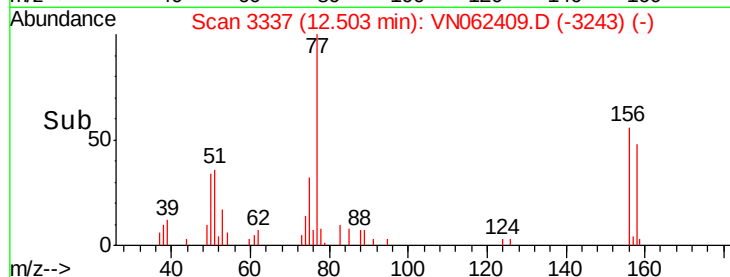
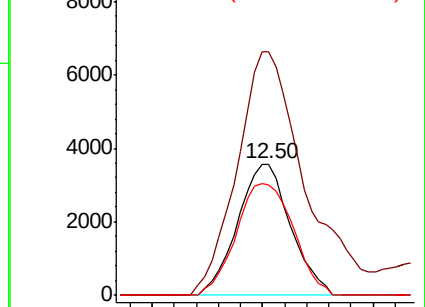
158 92.1 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.750 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062409.D

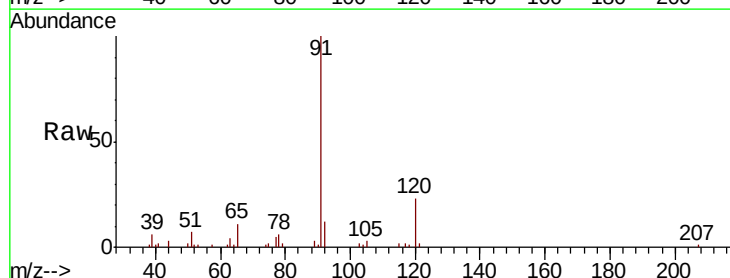
Acq: 8 Jul 2020 15:49

Tgt Ion: 91 Resp: 28501

Ion Ratio Lower Upper

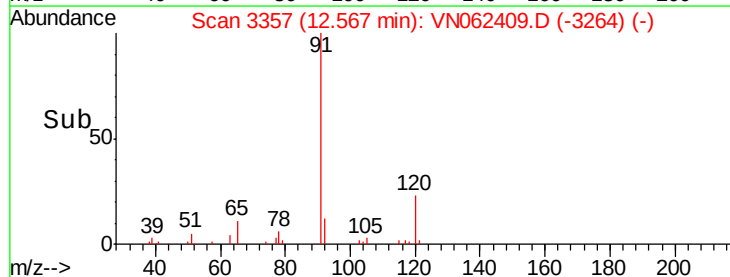
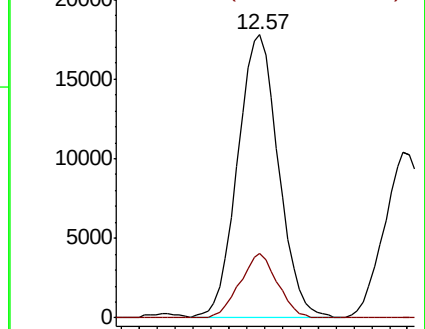
91 100

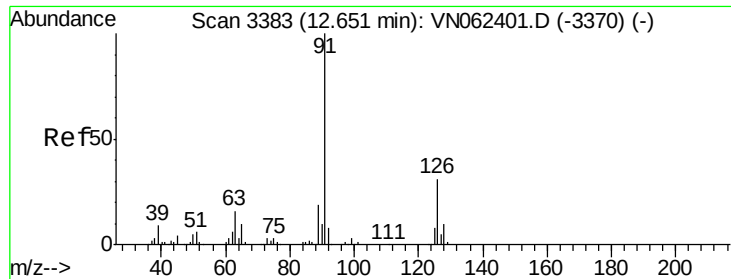
120 20.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.789 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

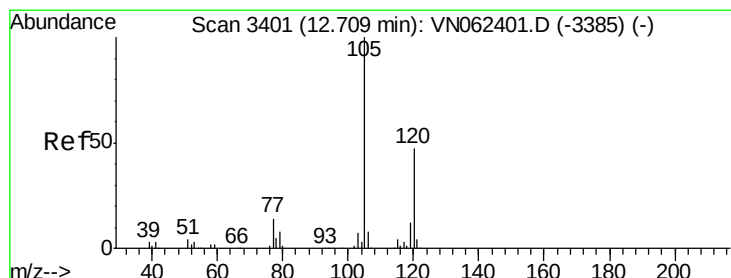
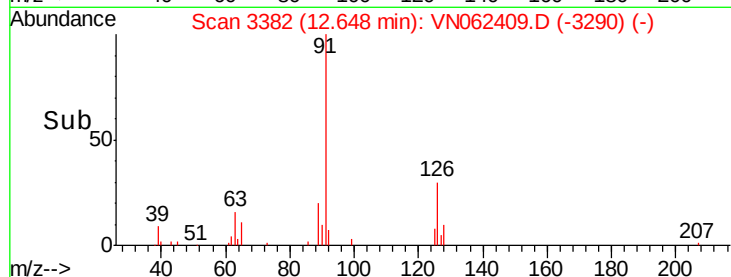
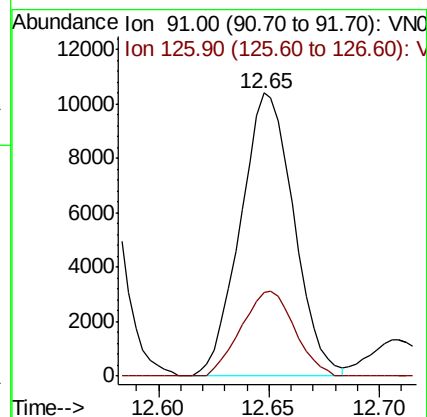
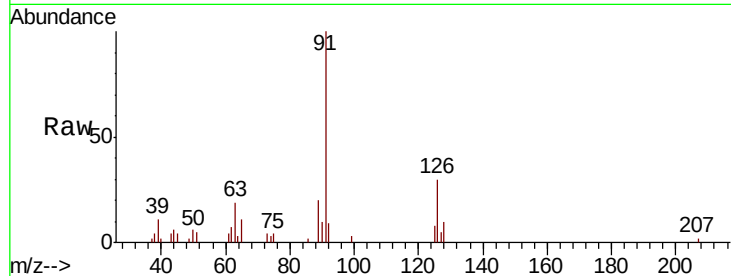
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 17541

Ion Ratio Lower Upper

91 100

126 30.0 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 2.673 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062409.D

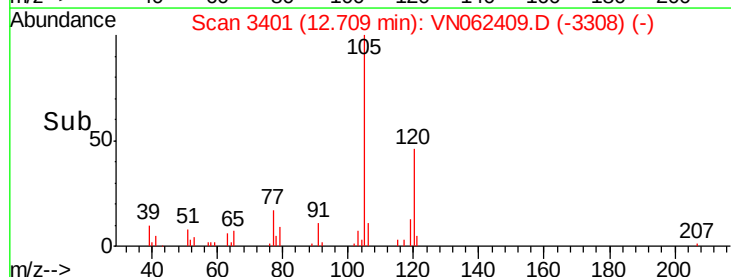
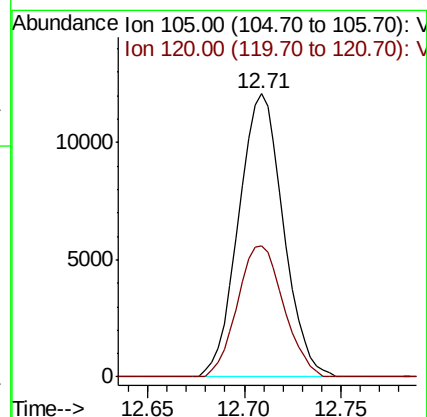
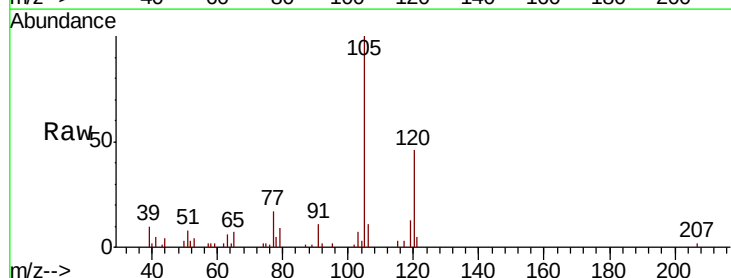
Acq: 8 Jul 2020 15:49

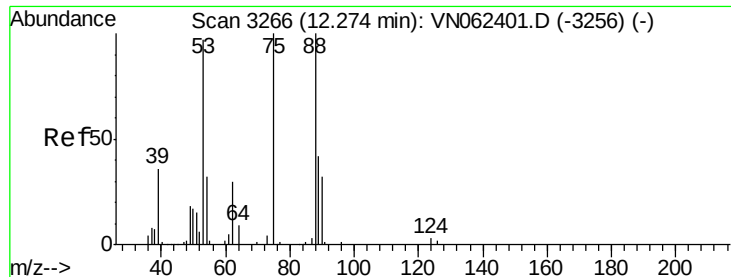
Tgt Ion: 105 Resp: 19443

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2.331 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

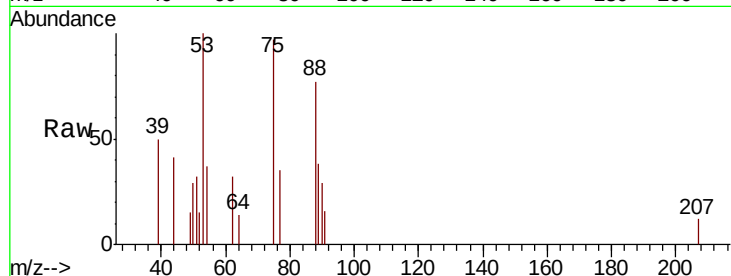
Tot Ion: 75 Resp: 2450

Ion Ratio Lower Upper

75 100

53 103.2 79.2 118.8

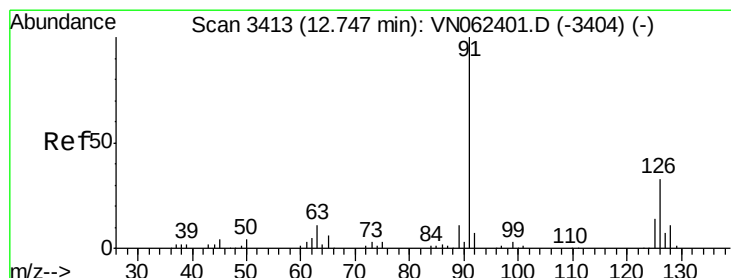
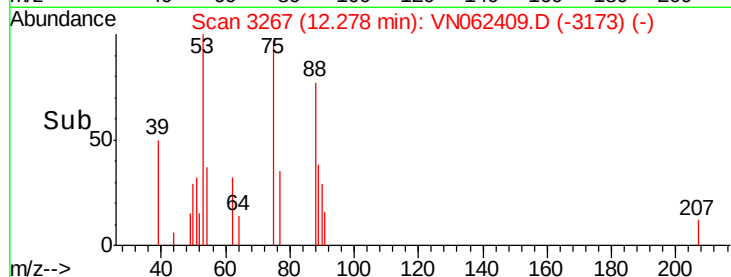
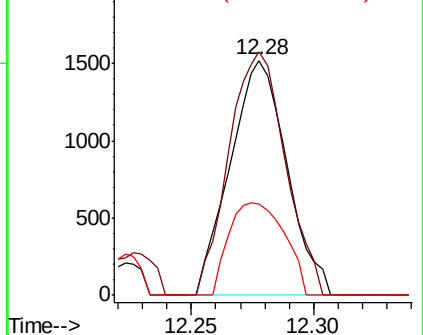
89 38.7 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.683 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062409.D

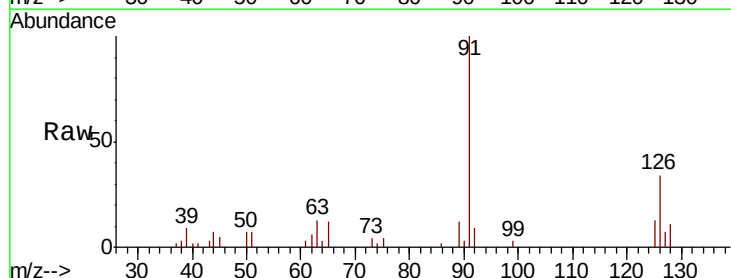
Acq: 8 Jul 2020 15:49

Tgt Ion: 91 Resp: 17133

Ion Ratio Lower Upper

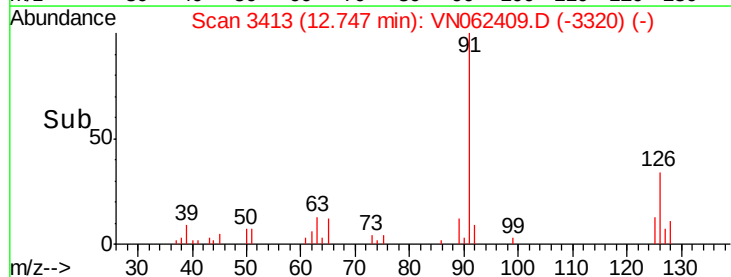
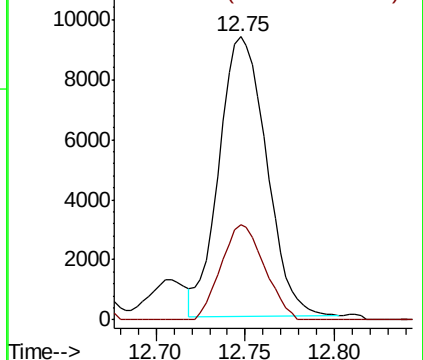
91 100

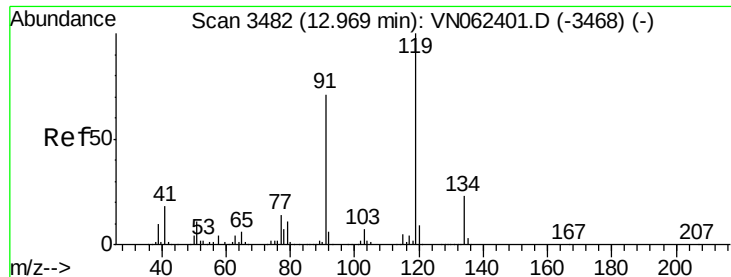
126 31.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

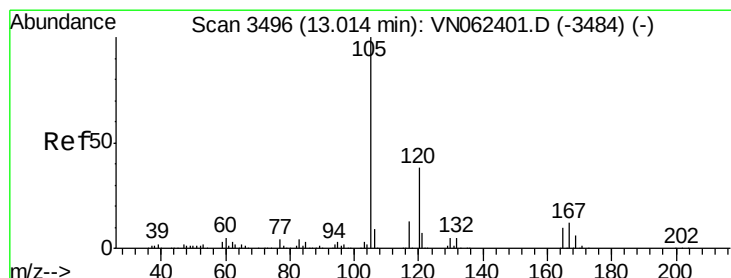
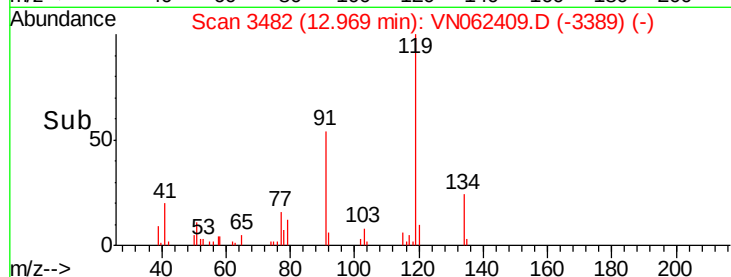
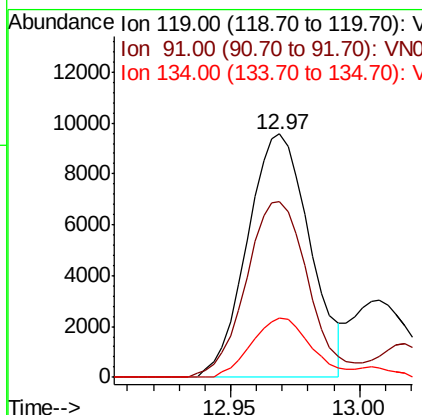
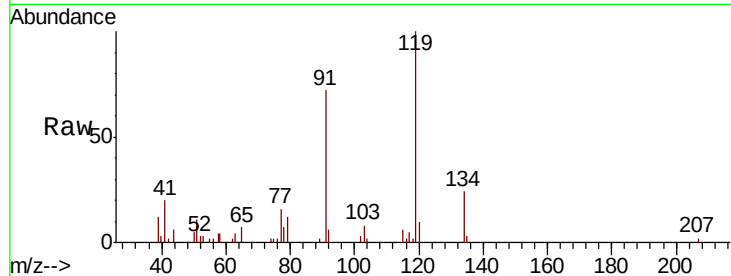




#83
 tert-Butylbenzene
 Concen: 2.621 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

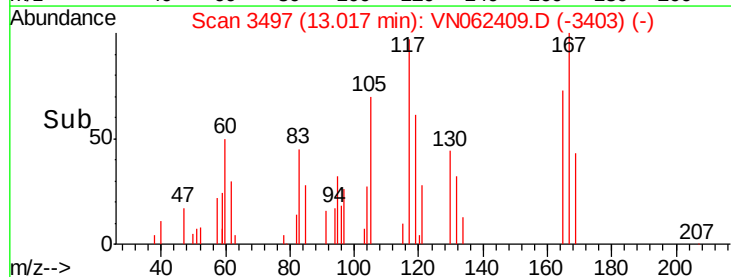
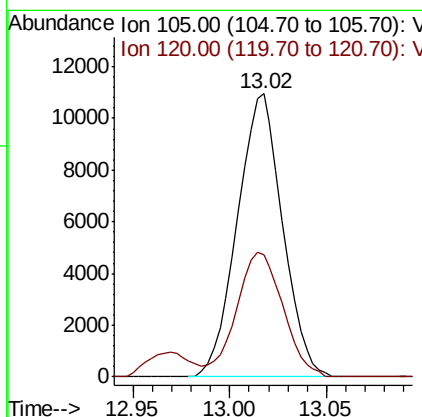
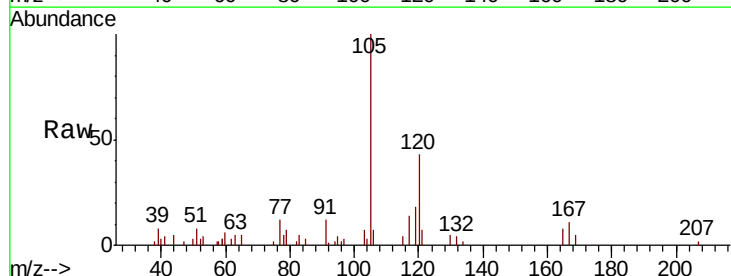
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

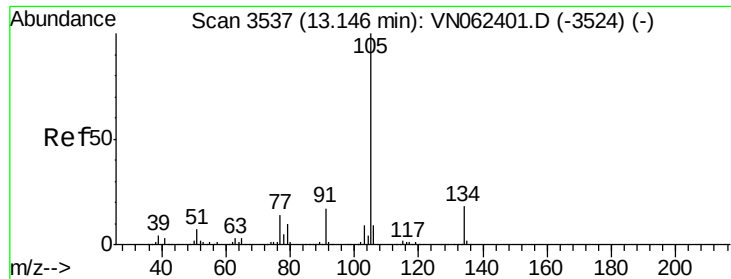
Tot Ion:119 Resp: 16175
 Ion Ratio Lower Upper
 119 100
 91 71.9 34.8 104.3
 134 23.1 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.462 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion:105 Resp: 17796
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.6 64.8





#85

sec-Butylbenzene

Concen: 2.609 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

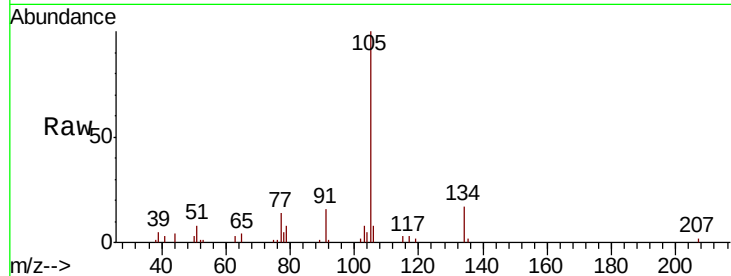
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 21342

Ion Ratio Lower Upper

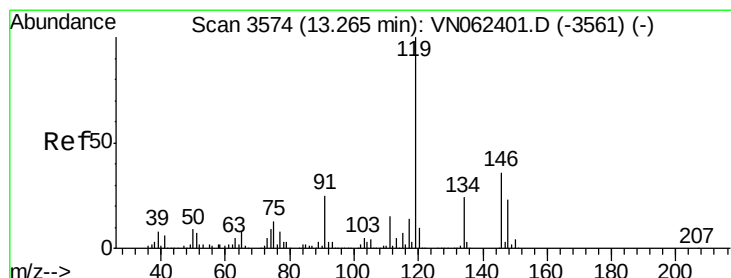
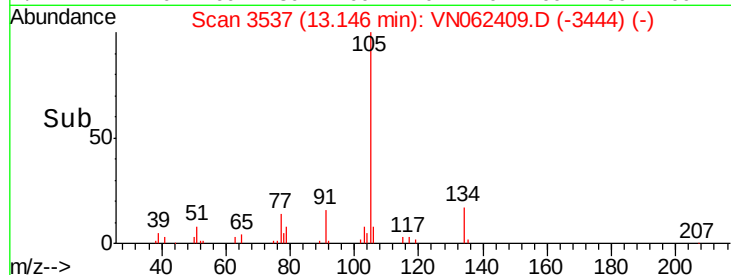
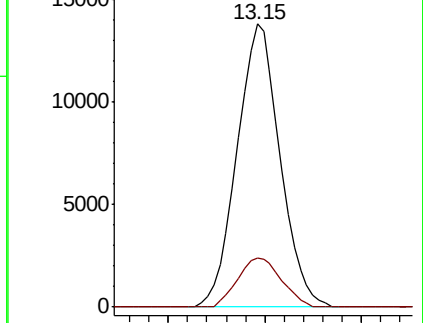
105 100

134 17.5 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.401 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

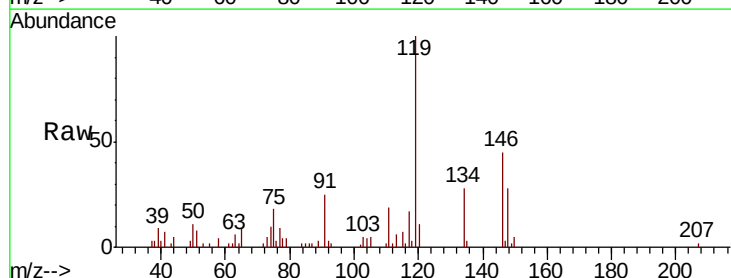
Tgt Ion:119 Resp: 16949

Ion Ratio Lower Upper

119 100

134 26.4 12.4 37.0

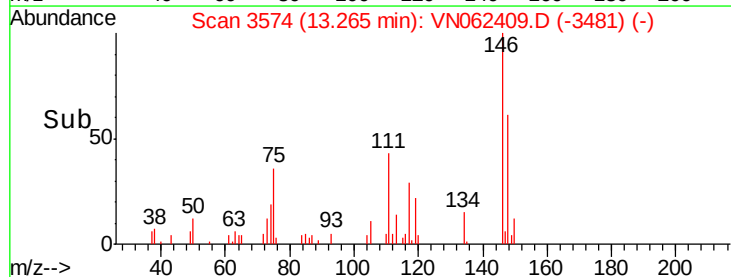
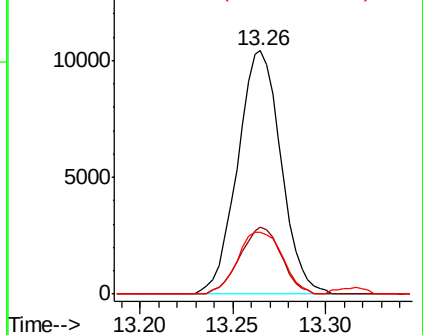
91 26.5 12.4 37.4

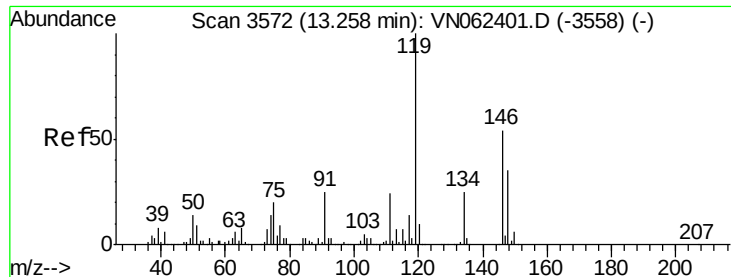


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.587 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

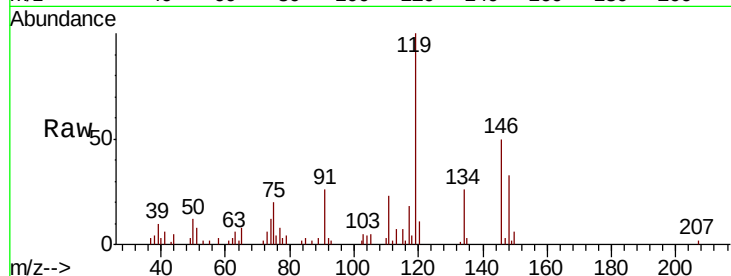
Tot Ion:146 Resp: 9002

Ion Ratio Lower Upper

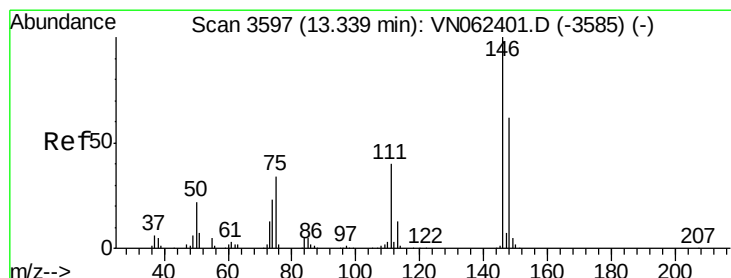
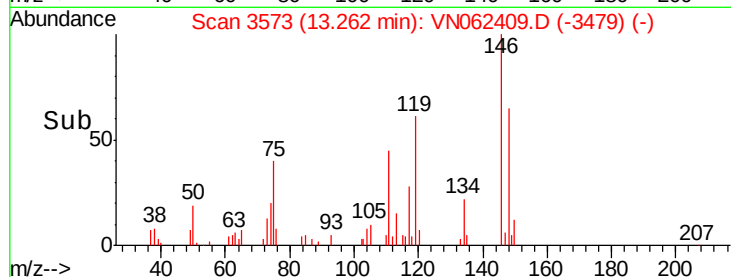
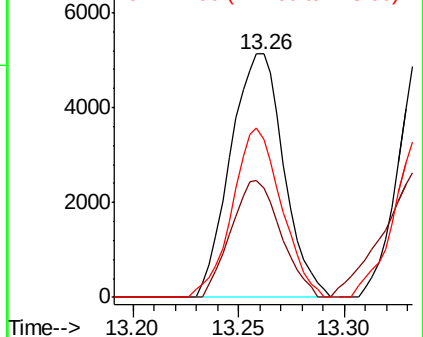
146 100

111 45.0 21.6 64.6

148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.503 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

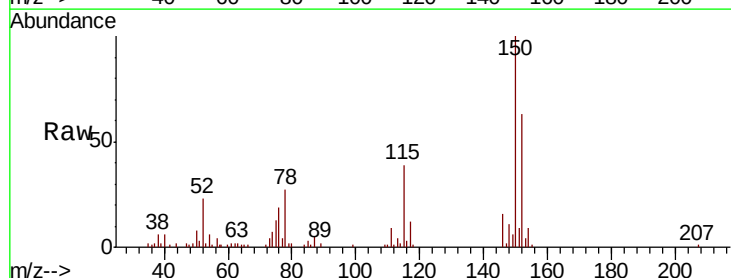
Tgt Ion:146 Resp: 8961

Ion Ratio Lower Upper

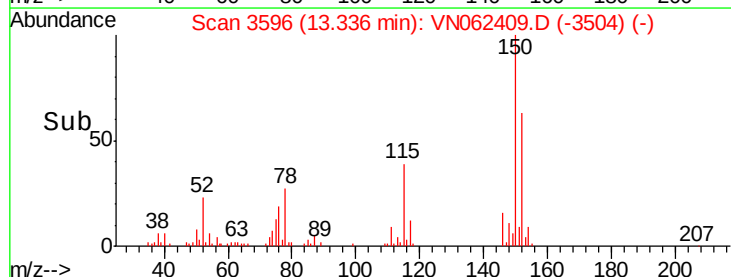
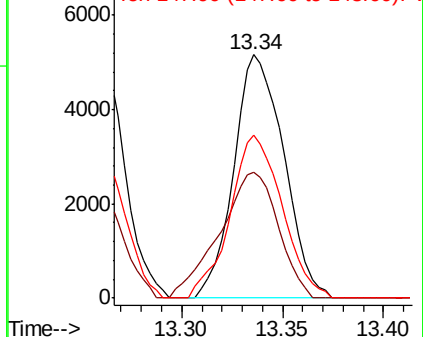
146 100

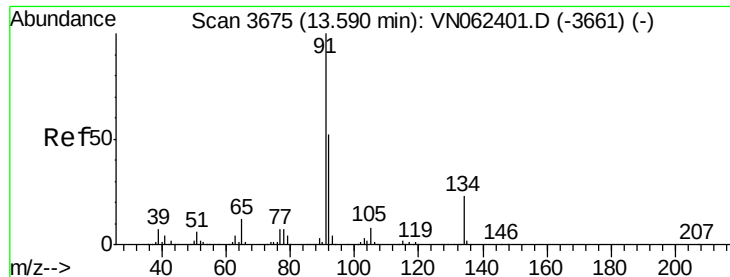
111 60.5 21.1 63.1

148 69.6 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

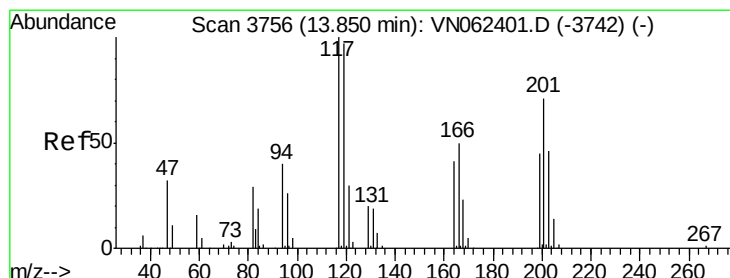
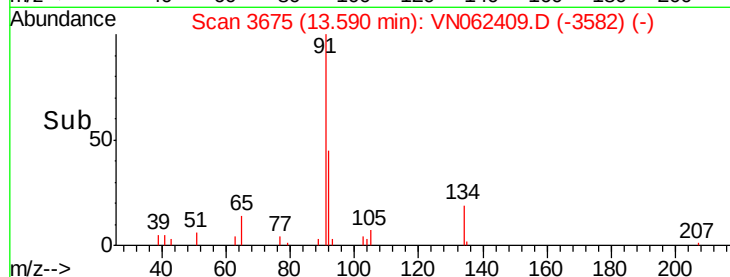
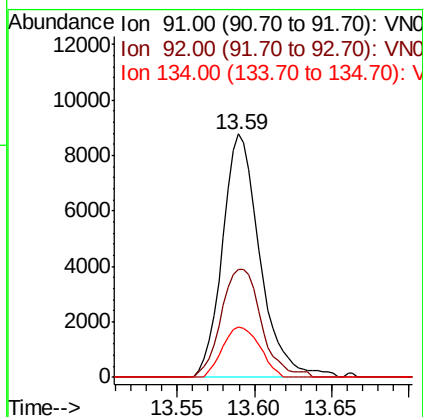
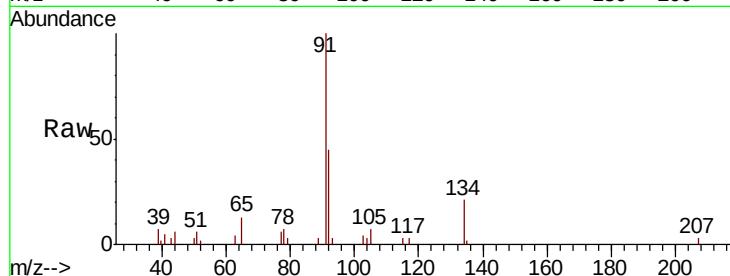




#89
n-Butylbenzene
Concen: 2.357 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

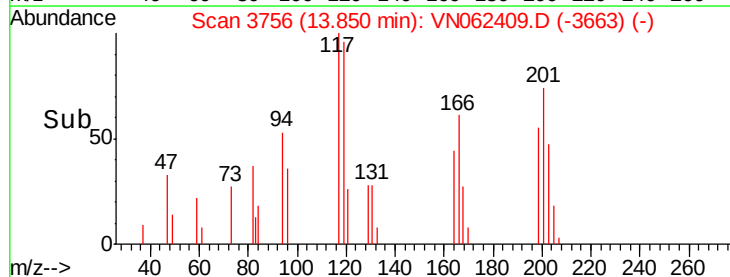
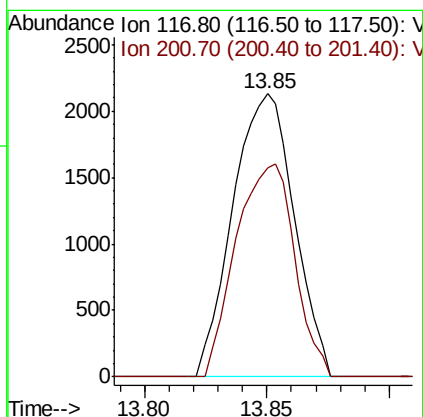
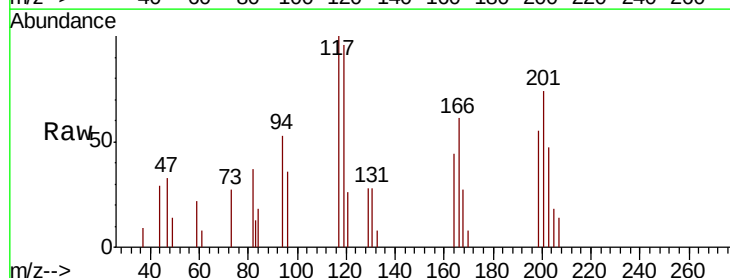
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

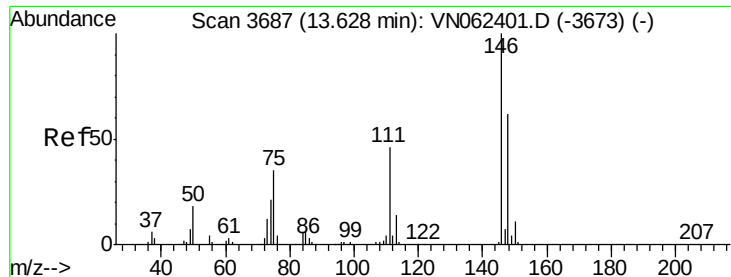
Tot Ion: 91 Resp: 14693
Ion Ratio Lower Upper
91 100
92 47.9 25.9 77.7
134 20.7 11.6 34.8



#90
Hexachloroethane
Concen: 2.680 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062409.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 117 Resp: 3722
Ion Ratio Lower Upper
117 100
201 71.9 35.4 106.2

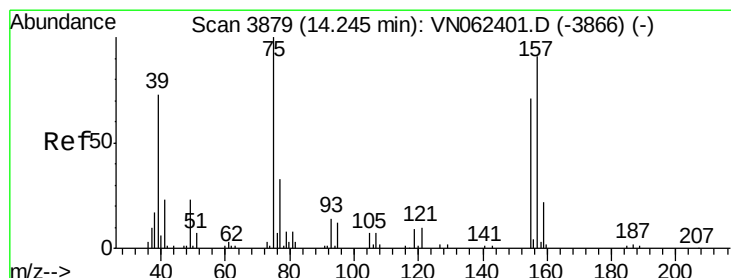
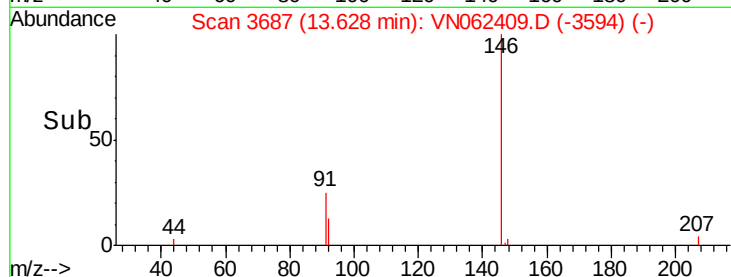
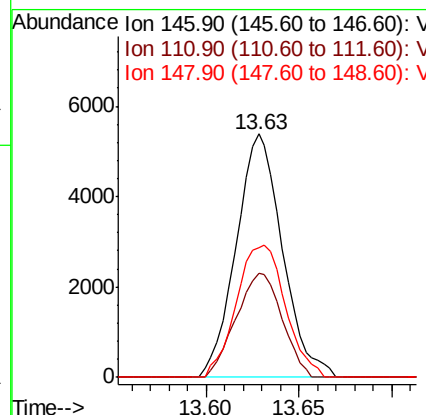
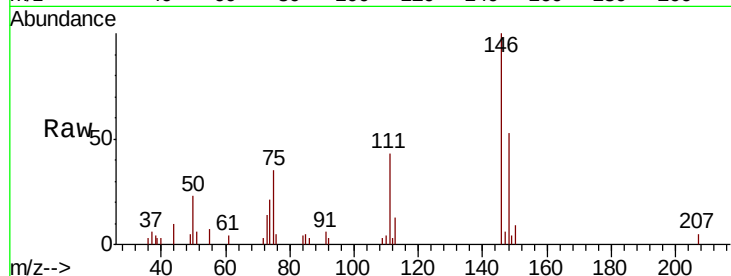




#91
 1,2-Dichlorobenzene
 Concen: 2.771 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

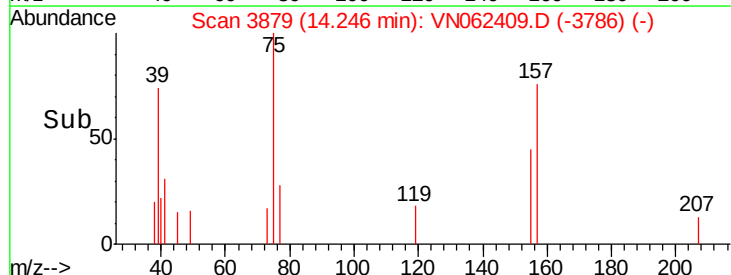
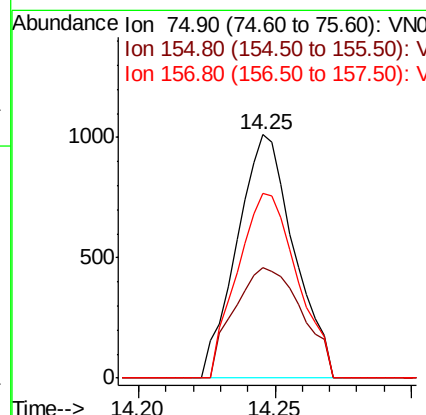
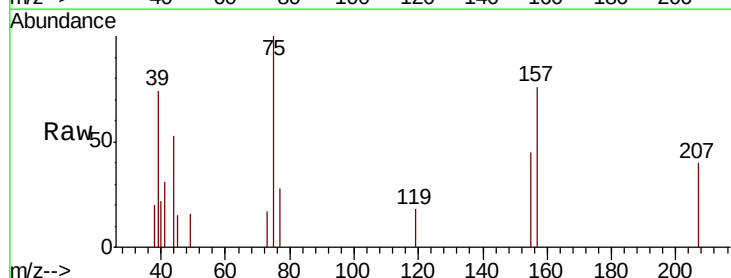
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

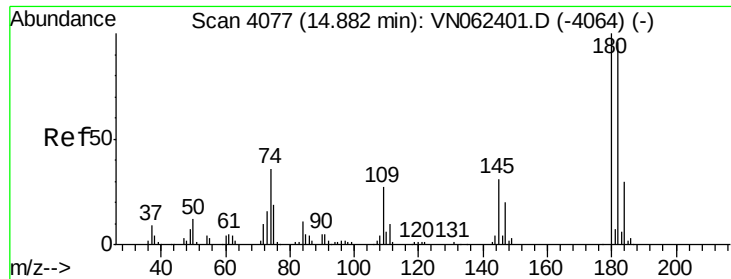
Tot Ion:146 Resp: 9323
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.5 67.5
 148 57.7 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.697 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion: 75 Resp: 1468
 Ion Ratio Lower Upper
 75 100
 155 54.0 35.2 105.6
 157 79.2 45.8 137.3

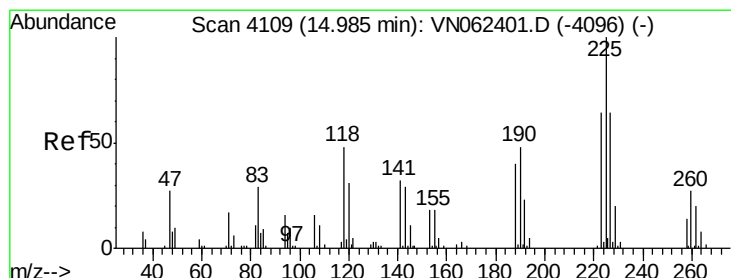
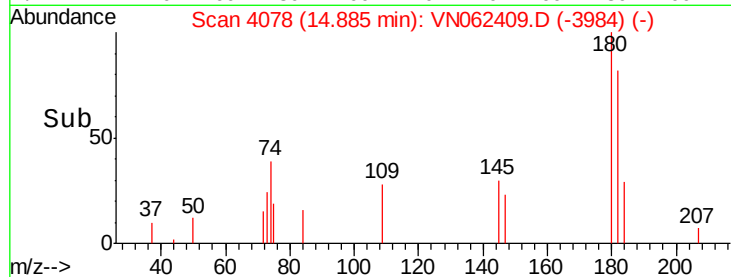
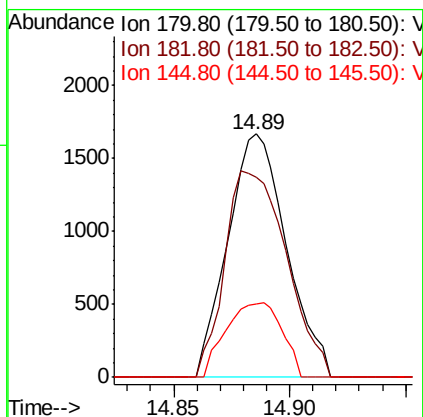
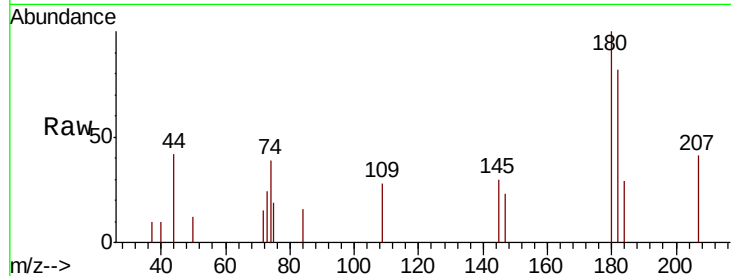




#93
 1,2,4-Trichlorobenzene
 Concen: 1.936 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

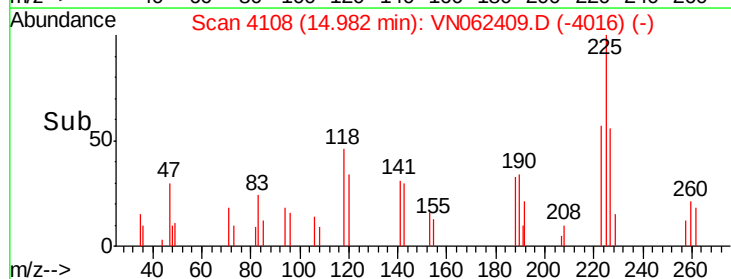
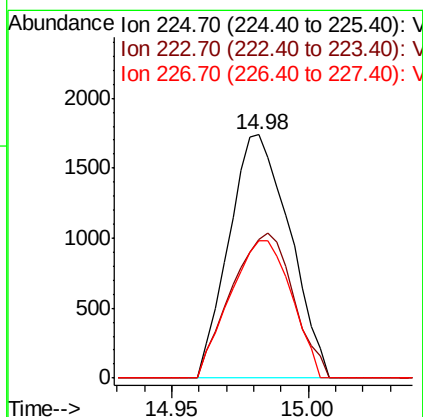
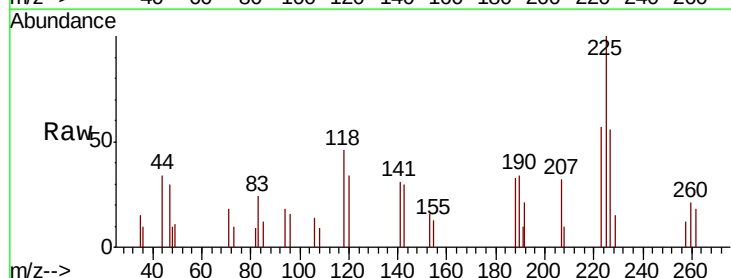
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

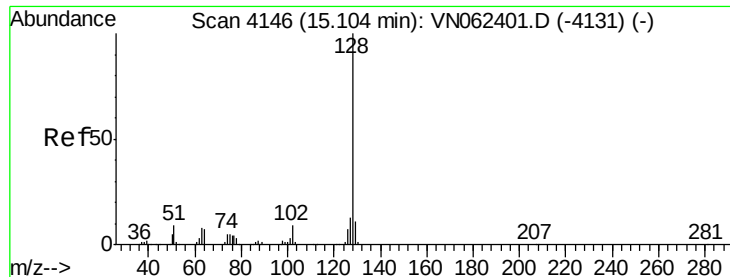
Tot Ion:180 Resp: 2936
 Ion Ratio Lower Upper
 180 100
 182 89.0 48.4 145.2
 145 29.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 3.016 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062409.D
 Acq: 8 Jul 2020 15:49

Tgt Ion:225 Resp: 2694
 Ion Ratio Lower Upper
 225 100
 223 60.7 32.3 96.8
 227 57.1 31.9 95.7





#95

Naphthalene

Concen: 1.857 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

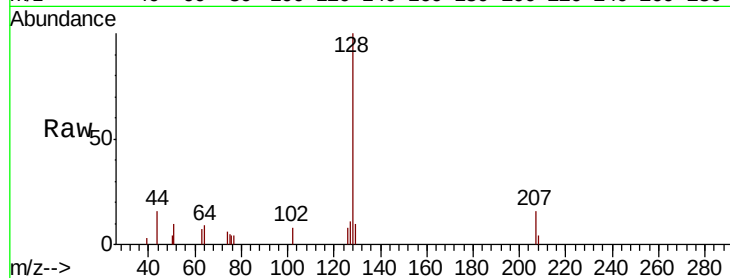
Tot Ion:128 Resp: 7941

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

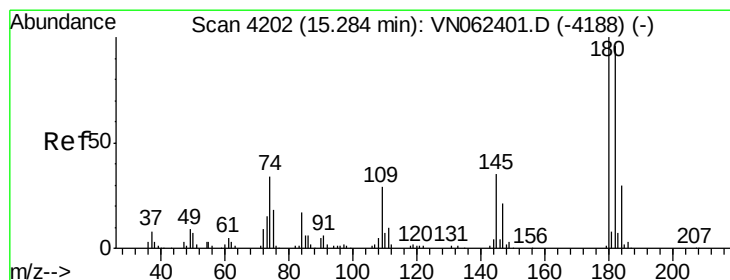
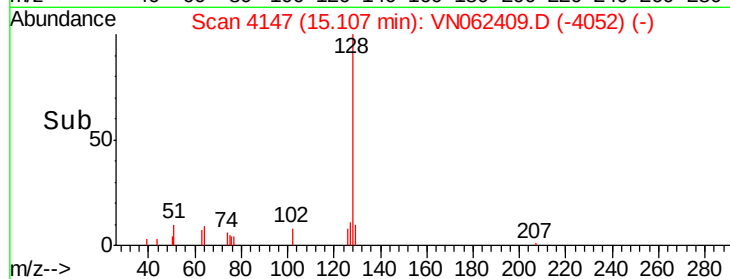
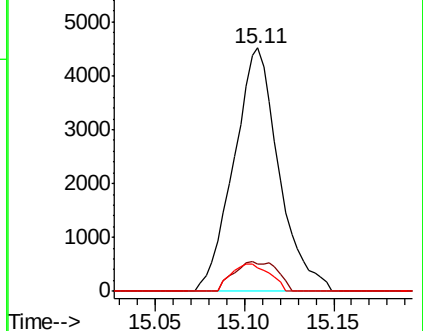
129 9.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.955 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062409.D

Acq: 8 Jul 2020 15:49

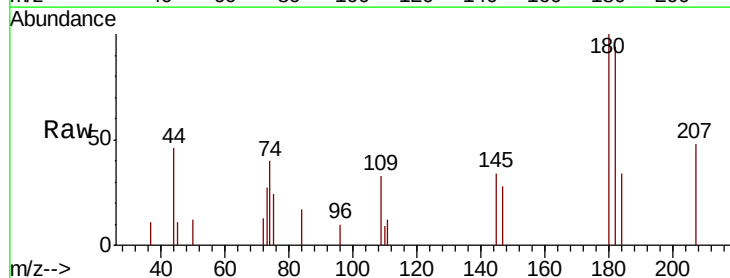
Tgt Ion:180 Resp: 3084

Ion Ratio Lower Upper

180 100

182 95.7 47.8 143.4

145 32.0 17.0 50.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

